

## Product Datasheet

# Newcastle disease virus Hemagglutinin-neuraminidase Protein orb1476776

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| <b>Description</b>       | Recombinant Newcastle disease virus Hemagglutinin-neuraminidase(HN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Endotoxins</b>        | Not test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form/Appearance</b>   | Liquid or Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Preservatives</b>     | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tag</b>               | N-terminal 10xHis-tagged                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Note</b>              | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Sequence</b>  | MDRAVSRVALENEEREAKNTWRFVFR IAILLLIVITLAISAAALVYSMEA<br>STPGDLVG IPTVISRAEEKITSALSSNQDVVDRIYKQVALESPLALLNTE<br>SVIMNAITSLSYQINGAANN SGCGAPVHDPDYIGGIGKELIVDDASDVTS<br>FYPSAFQEHLNFIPAPTTGSGCTRIPSFDISATHYCYTHNVILSGCRDHS<br>HSHQYLALGVLRTSATGRVFFSTLRSINLDDNQNRKSCSVSATPLGCDML<br>CSKITETEEEDYSSVTPTSMVHGRLGFDGQYHEKDLDVITLFKDWVANYP<br>GVGGGSFIDNRVWFPVYGGGLKPNSPSDTVQEGRYVIYKRYNDTCPDEQDY<br>QIRMAKSSYKPGRFGGKRVQQAILS IKVSTSLGEDPVLTI PPNTVTLMGA<br>EGRVLTVGTS HFLYQRGSSYFSPALLYPMTVNNKTATLHSPYTFNAFTRP<br>GSVPCQASARCPNSCVTG VYTD PYPLIFHRNHTLRGVFGTMLDDGQARLN<br>PVSAVFDNISRSRITRVSSRTKAA YTTSTCFKVVKTNKTYVLSIAEISN<br>TLFGEFRIVPLLVEILKNDGV |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MW</b>                | 68.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>            | in vitro E.coli expression system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Biological Origin</b> | Newcastle disease virus (strain Her/33) (NDV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Uniprot ID</b>        | <b>P35741</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Expiration Date</b>   | 6 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Application Notes</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20?/-80?. Our default final concentration of glycerol is 50%. Customers could use it as reference.                                                                                                                                                                                                                                        |