

## Product Datasheet

### Human RSPO1 Protein orb1477849

|                          |   |
|--------------------------|---|
| <b>Description</b>       | Recombinant Human R-spondin-1(RSPO1),partial (Active)   |
| <b>Endotoxins</b>        | Less than 1.0 EU/ug as determined by LAL method.  |
| <b>Form/Appearance</b>   | Lyophilized powder  |
| <b>Preservatives</b>     | Lyophilized from a 0.2 µm filtered PBS, 6% Trehalose, pH 7.4  |
| <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>               | C-terminal 10xHis-Avi-tagged  |
| <b>Note</b>              | For research use only.  |
| <b>Protein Sequence</b>  | RISAEGSQACAKGCELCSEVNGCLKCSPKLFILLERNDIRQVGVCLPSCP<br>PGYFDARNPDMNKCIKCKIEHCEACFSHNFCTKCKEGLYLHKGRCYPACP<br>EGSSAANGTMECSSPAQCEMSEWSPWGPCSKKQQLCGFRRGSEERTRRVL<br>HAPVGDHAACSDTKETRRCTVRRVPCPEGQKRRKGGQGRRENANRNLARK<br>ESKEAGAGSRRRKGGQQQQQGGTVGPLTSAGPA   |
| <b>Purity</b>            | Greater than 95% as determined by SDS-PAGE.   |
| <b>MW</b>                | 30.2 kDa  |
| <b>Source</b>            | Mammalian cell  |
| <b>Biological Origin</b> | Homo sapiens (Human)  |
| <b>Activity</b>          | Measured by its binding ability in a functional ELISA. Immobilized Human RSPO1 at 2 µg/mL can bind Human LGR5(CSB-MP012906HU1), the EC50 is 124.0-174.1 ng/mL.  |
| <b>Uniprot ID</b>        | <a href="#">Q2MKA7</a>  |
| <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. |