

Product Datasheet

Rat Opn4 Protein orb1476774

Description	Recombinant Rat Melanopsin(Opn4)
Endotoxins	Not test.
Form/Appearance	Liquid or Lyophilized powder
Preservatives	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.
Storage	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?.
Tag	N-terminal 10xHis-tagged
Note	For research use only.
Protein Sequence	MNSPSESrvPSSLTQDPSFTASPALLQGIWNSTQNISVRVQLLSVSPTTP GLQAAAWVPFPTVDVPDHAHYTLGTVILLVGLTGMLGNLTVIYTFERNRG LRTPANMLIINLAVSDFLMSFTQAPVFFASSLYKKWLFGETGCKFYAFCG AVFGIVSMITLTAIAMDRLVITRPLATIGMRKRRTALVLLGVWLYALA WSLPPFFGWSAYVPEGLLTSCSWDYVTFTPLVRAYTMLLFCFVFFLPLLI IIFCYIFIFRAIRETGRACEGCGESPLRRRQWQRLQSEWKMAKVALIVIL LFVLSWAPYSTVALVGFAGYSHILTPYMSSVPAVIAKASAIHNPIIYAIT HPKYRAAIAQHLPCLGVLLGVSGQRSHPSLSYRSTHRSTLSSQSSDLSWI SGQKRQESLGSESEVGWTDTTETAAWGAAQQASGQSFCSHDLEDGEVKAP SSPQEQKSKTPKTKRHLPSLDRRM
Purity	Greater than 85% as determined by SDS-PAGE.
MW	53.9 kDa
Source	in vitro E.coli expression system
Biological Origin	Rattus norvegicus (Rat)
Uniprot ID	Q8R456
Expiration Date	6 months from date of receipt.
Application Notes	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.