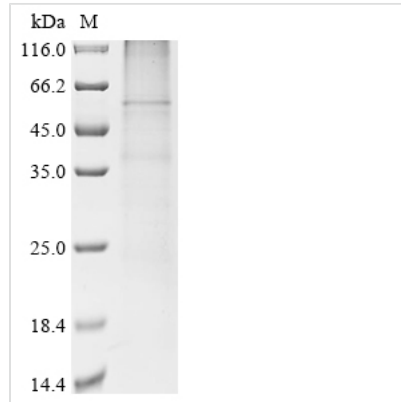




Recombinant Rat Melanopsin (Opn4)

Product Code	CSB-CF851271RA
Abbreviation	Recombinant Rat Opn4 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8R456
Form	Liquid or Lyophilized powder
Storage Buffer	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.
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	MNSPSES RVPSSLTQDPSFTASPALLQGIWNSTQNISVRVQLLSVSPTTPGLQ AAAWVPFPTVDVPDHAHYTLGTVILLVGLTGMLGNLTVIYTF CRNRGLRTPAN MLIINLAVSDFLMSFTQAPVFFASSLYKKWLFGETGCKFYAF CGAVFGIVSMITL TAIAMDRYL VITRPLATIGMR SKRRTALVLLGVWLYALAWSLPPFFGWSAYVPE GLLTSCSWDYVTFTPLVRAYTMLLFCVFFLPLLIIFCYIFIFRAIRETGRACEGC GESPLRRRQWQRLQSEWKMAKVALIVILLFVLSWAPYSTVALVGFAGYSHILT PYMSSVPAVIAKASAIHNPIIYAITHPKYRAAIAQHLPCLGVLLGVSGQRSHPSLS YRSTHRSTLSSQSSDL SWISGQKRQESLGSESEVGWTD TETTAAWGAAQQA SGQSFCSHDLEDGEVKAPSSPQEQKSKTPKTRHLP SLDRRM
Research Area	Neuroscience
Source	in vitro E.coli expression system
Target Names	Opn4
Expression Region	1-474aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	53.9 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.