

Recombinant Rat Opn4 Full Length Transmembrane protein, His-tagged

Cat. No. Opn4-10254R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Opn4 protein(Q8R456)(1-474aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.
Species	Rat
Source	E.coli
ProteinLength	1-474aa
Form	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.
Molecular Mass	53.9 kDa
AA Sequence	MNSPSESrvPSSLTQDPSFTASPALLQGIWNSTQNISVRVQLLSVSPTTPGLQAAA WVPFPTVDVPDHAHYTLGTVILLVGLTGMLGNLTVIYTFCRNRGLRTPANMLIINLAV SDFLMSFTQAPVFFASSLYKKWLFGETGCKFYAFCGAVFGIVSMITLTAIAMDRLVI TRPLATIGMRSKRRALTALLGVWLYALAWSLPPFFGWSAYVPEGLLTSCSWDYVTF TPLVRAYTMLLFCFVFFLPLLIIFCYIFIFRAIRETGRACEGCGESPLRRRQWQRLQSE WKMAKVALIVILLFVLSWAPYSTVALVGFAGYSHILTPYMSSVPAVIAKASAIHNPIIYAI THPKYRAAIAQHLPCLGVLLGVSGQRSHPSLSYRSTHRSTLSSQSSDLSWISGQKR QESLGSESEVGWTDTTETAAWGAAQQASGQSFCSDLEDGEVKAPSSPQEQQSK

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TPKTKRHLPSLDRRM

Purity Greater than 85% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution 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.

GENE INFORMATION

Gene Name [Opn4 opsin 4 \[Rattus norvegicus \]](#)

Official Symbol [Opn4](#)

Synonyms OPN4; opsin 4; melanopsin; opsin-4;

Gene ID [192223](#)

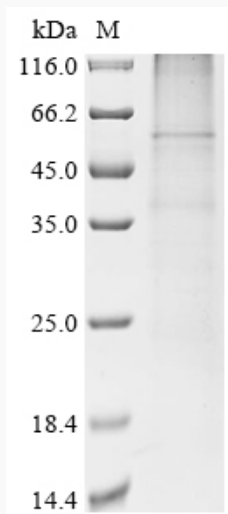
mRNA Refseq [NM_138860](#)

Protein Refseq [NP_620215](#)

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SDS-PAGE

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