Opsin Rh4 (RH4) Drosophila Virilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Opsin Rh4 (Rh4), Recombinant Protein
Full Product Name	Recombinant Drosophila virilis Opsin Rh4 (Rh4)
Product Gene Name	Rh4 recombinant protein
Sequence	MDIAGSLCNA SEGPVLRPEA RVSGNGDLQF LGWNVPPDQI QHIPEHWLTQ LEPPASMHYM LGVFYIFLFC ASTVGNGMVI WIFSTSKALR TPSNMFVLNL AVFDFIMCLK APIFIYNSFH RGFALGNTGC QIFAAIGSYS GIGAGMTNAA IGYDRLNVIT KPMNRNMTFT KAIIMNVIIW LYCTPWVVLP LTQFWDRFVP EGYLTSCTFD YLTDNFDTRL FVGTIFFFSF VCPTLMIIYY YSQIVGHVFS HEKALREQAK KMNVESLRSN VDKSKDTAEI RIAKAAITIC FLFFVSWTPY GVMSLIGAFG DKSLLTPGAT MIPACTCKLV ACIDPFVYAI SHPRYRMELQ KRCPWLAIDE KAPESSSAAS TTTTQEQQQT TAA
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	42,846 Da
Sequence Positions	1-383aa; full length protein
3D Structure	ModBase 3D Structure for P17646
Species	Drosophila virilis (Fruit fly)
Product Categories/Family for Rh4 recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for Rh4 recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for Rh4 recombinant protein	MBS7028536 is a recombinant protein targeting Rh4. Also known as Recombinant Drosophila virilis Opsin Rh4 (Rh4). Host: Cell Free Expression.
Other Notes	Small volumes of Rh4 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Rh4. It may not necessarily be applicable to this product.

NCBI GI #	129201
NCBI Accession #	P17646.2
UniProt Primary Accession #	P17646
NCBI Official Full Name	Opsin Rh4
UniProt Protein Name	Opsin Rh4
UniProt Synonym Protein Names	Inner R7 photoreceptor cells opsin

Protein Family	Opsin
UniProt Gene Name	Rh4
UniProt Entry Name	OPS4_DROVI
UniProt Comments for Rh4	Visual pigments are the light-absorbing molecules that mediate vision. They consist of an apoprotein, opsin, covalently linked to cis-retinal.
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