Ocellar Opsin (LOC106470356) Limulus Polyphemus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ocellar opsin (LOC106470356), Recombinant Protein
Full Product Name	Recombinant Limulus polyphemus Ocellar opsin
Product Gene Name	LOC106470356 recombinant protein
Sequence	MANQLSYSSL GWPYQPNASV VDTMPKEMLY MIHEHWYAFP PMNPLWYSIL GVAMIILGII CVLGNGMVIY LMMTTKSLRT PTNLLVVNLA FSDFCMMAFM MPTMASNCFA ETWILGPFMC EVYGMAGSLF GCASIWSMVM ITLDRYNVIV RGMAAAPLTH KKATLLLLFV WIWSGGWTIL PFFGWSRYVP EGNLTSCTVD YLTKDWSSAS YVIIYGLAVY FLPLITMIYC YFFIVHAVAE HEKQLREQAK KMNVASLRAN ADQQKQSAEC RLAKVAMMTV GLWFMAWTPY LIIAWAGVFS SGTRLTPLAT IWGSVFAKAN SCYNPIVYGI SHPRYKAALY QRFPSLACGS GESGSDVKSE ASATMTMEEK PKSPEA
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	42,112 Da
Sequence Positions	1-376aa; full length protein
3D Structure	ModBase 3D Structure for P35361
Species	Limulus polyphemus (Atlantic horseshoe crab)
Product Categories/Family for LOC106470356 recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for LOC106470356 recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for LOC106470356 recombinant protein	MBS7038311 is a recombinant protein targeting LOC106470356. Also known as Recombinant Limulus polyphemus Ocellar opsin. Host: Cell Free Expression.
Other Notes	Small volumes of LOC106470356 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 LOC106470356. It may not necessarily be applicable to this product.

NCBI GI #	936976276
NCBI GeneID	106470356
NCBI Accession #	NP_001301089.1
UniProt Primary Accession #	P35361
UniProt Related Accession #	P35361

GenBank Nucleotide #	NM_001314160.1
NCBI Official Full Name	ocellar opsin
NCBI Official Symbol	LOC106470356
NCBI Official Synonym Symbols	opsin
UniProt Protein Name	Ocellar opsin
Protein Family	Ocellar opsin
UniProt Entry Name	OPSO_LIMPO
NCBI Protein Information	ocellar opsin
UniProt Comments for LOC106470356	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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