Melanopsin (OPN4) Podarcis Sicula Recombinant Protein

PRODUCT OVERVIEW

Product Name	Melanopsin (OPN4), Recombinant Protein
Full Product Name	Recombinant Podarcis sicula Melanopsin (OPN4), partial
Product Gene Name	OPN4 recombinant protein
Product Synonym Gene Name	OPN4
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	53,068 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4U4D2
Species	Podarcis sicula (Italian wall lizard)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OPN4 recombinant protein	MBS7081529 is a recombinant protein targeting OPN4. Also known as Recombinant Podarcis sicula Melanopsin (OPN4), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of OPN4 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 OPN4. It may not necessarily be applicable to this product.

NCBI GI #	122064642
NCBI Accession #	Q4U4D2.2
UniProt Primary Accession #	Q4U4D2
NCBI Official Full Name	Melanopsin
UniProt Protein Name	Melanopsin
UniProt Synonym Protein Names	Opsin-4
Protein Family	Melanopsin
UniProt Gene Name	OPN4

UniProt Comments for OPN4	Photoreceptor implicated in non-image-forming responses to light. May be able to isomerize covalently bound all-trans retinal back to 11-cis retinal ().
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