

Proteoliposomes

Full-Length

OPN5 (Human) Recombinant Protein

Catalog # H00221391-G01

Size 2 ug

Specification

Product Description

Human OPN5 full-length ORF (ADR82953.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MALNHTALPQDERLPHYLRDGDPFASKLSWEADLVAGFYLTIGILSTFGNGYVLYMSSRRKKKLR
PAEIMTINLAVCDLGISVVGKPFITIISCFCHRWWFGWIGCRWYGWAGFFFGCGLITMTAVSLDRYL
KICYSYGVWLKRKHAYICLAAMWAYASFWTMPLVGLGDYVPEPFGTSCITDWWLAQASVGGQV
FILNILFFCLLLPTAVIVFSYVKIAKVKSSSKEVAHFDSRIHSSHVLEMKLTKVAMLICAGFLIAWIPYA
VVSVWSAFGRPDSEIQLSVVPTLLAKSAAMYNPIYQVIDYKFACCQTGGLKATKKKSLEGFRLHT
VTTVRKSSAVLEIHEEWE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

39

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — OPN5

Entrez GeneID [221391](#)**GeneBank Accession#** [HQ258199.1](#)**Protein Accession#** [ADR82953.1](#)**Gene Name** OPN5**Gene Alias** NEUROPSIN, PGR12, TMEM13**Gene Description** opsin 5**Omim ID** [609042](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. This opsin gene is expressed in the eye, brain, testes, and spinal cord. This gene belongs to the seven-exon subfamily of mammalian opsin genes that includes peropsin (RRH) and retinal G protein coupled receptor (RGR). Like these other seven-exon opsin genes, this gene may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000016565|OTTHUMP00000039910|transmembrane protein 13