

Product Information

MemDX™ Membrane Protein Human OPN5 (Opsin 5) Full Length

Cat. No.: **MPC2911K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human OPN5 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

OPN5

Protein Length

Full length

Protein Class

GPCR

TMD

7

Sequence

MALNHTALPQDERLPHYLRDGDPFASKLSWEADLVAGFYLTIIIGILSTFG
NGYVLYMSSRRKKLRPAEIMTINLAVCDLGISVVGKPFTIISCFCHRWW
FGWIGCRWYGWAGFFFGCGSLITMTAVSLDRYLKICYLSYGVWLKRKHAY
ICLAAIWAYASFWTMTPLVGLGDYVPEPFGTSCTLDWWLAQASVGGQVFI
LNILFFCLLLPTAVIVFSYVKIIAKVKSSSKEVAHFDSRIHSSHVLEMKL
TKVAMLICAGFLIAWIPYAVVSVWSAFGRPDSIPIQLSVVPTLLAKSAAM
YNPIYQVIDYKFACCQTGGLKATKKKSLEGFRLHTVTTVRKSSAVLEIH
EWE

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

OPN5

Full Name

Opsin 5

Introduction

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 family member may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants.

Alternative Names

OPN5; PGR12; GPR136; GRP136; TMEM13; opsin-5; G-protein coupled receptor 136; neuropsin; transmembrane protein 13; Opsin 5

Gene ID

[221391](#)

UniProt ID

[Q6U736](#)