

Product Information

MemDX™ Membrane Protein Human OPN5 (Opsin 5) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3432K**

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

This product is a Human OPN5 membrane protein expressed *in vitro* *E.coli* 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

MALNHTALPQDERLPHYLRDGDGFASKLSWEADLVAGFYLTIGILSTFGNGYVLYMSSRRKKLRPAEIMTINLAVCDLGISVVGKPF

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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; G-protein coupled receptor 136; neuropsin; transmembrane protein 13; Opsin 5

Gene ID

[221391](#)

UniProt ID

[Q6U736](#)