

Product Information

MemDX™ Membrane Protein Human OPN1SW (Opsin 1, short wave sensitive) for Antibody

Discovery

Cat. No.: **MP0834X**

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

This product is a 38.28 kDa Human OPN1SW membrane protein expressed in *in vitro* wheat germ 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

OPN1SW

Protein Length

Full-length

Molecular Weight

38.28 kDa

TMD

7

Sequence

MRKMSEEEFYLFKNISSVGPWDGPQYHIAPVWAFYLQAAFMGTVFLIGFPLNAMVLVATLRYKKLRQPLNYILVNVSFGGFLLCIFS

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Buffer

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

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

OPN1SW

Full Name

Opsin 1, short wave sensitive

Introduction

This gene belongs to the G-protein coupled receptor 1 family, opsin subfamily. It encodes the blue cone pigment gene which is one of three types of cone photoreceptors responsible for normal color vision. Defects in this gene are the cause of tritan color blindness (tritanopia). Affected individuals lack blue and yellow sensory mechanisms while retaining those for red and green. Defective blue vision is characteristic.

Alternative Names

BCP; BOP; CBT; short-wave-sensitive opsin 1; blue cone photoreceptor pigment; blue-sensitive opsin; opsin 1 (cone pigments), short-wave-sensitive

Gene ID

[611](#)

UniProt ID

[P03999](#)