

# Product Information

## NativeExtract™ Human OPN3 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX134**

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

This product is recombinant Human OPN3 protein in native nanodisc form. The synthetic compound we developed can solubilize the OPN3 protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

OPN3

#### Protein Length

Full length

#### Molecular Weight

44.9kDa

#### Sequence

Accession # [Q9H1Y3](#)

### Product Description

#### Activity

Yes

#### Application

ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

#### Expression Systems

HEK293 expression system

#### Tag

Flag tag at the C-terminus

#### Protein Format

Native Nanodisc

#### Form

Liquid

**Buffer**

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

**Storage**

The product should be stored at -20°C to -80°C.

**Target****Target Protein**

OPN3

**Full Name**

Opsin 3

**Introduction**

Opsins are members of the guanine nucleotide-binding protein (G protein)-coupled receptor superfamily. In addition to the visual opsins, mammals possess several photoreceptive non-visual opsins that are expressed in extraocular tissues. This gene, opsin 3, is strongly expressed in brain and testis and weakly expressed in liver, placenta, heart, lung, skeletal muscle, kidney, and pancreas. The gene may also be expressed in the retina. The protein has the canonical features of a photoreceptive opsin protein.

**Alternative Names**

OPN3; ECPN; PPP1R116; opsin-3; encephalopsin; opsin 3 (encephalopsin, panopsin); protein phosphatase 1, regulatory subunit 116; Opsin 3

**Gene ID**

[23596](#)

**UniProt ID**

[Q9H1Y3](#)