

# Product Information

## NativeExtract™ Human MTNR1B Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX156**

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

This product is recombinant Human MTNR1B protein in native nanodisc form. The synthetic compound we developed can solubilize the MTNR1B protein from membrane while retaining the native structure.

### Product Specifications

#### Host Species

Human

#### Target Protein

MTNR1B

#### Protein Length

Full length

#### Molecular Weight

40.2kDa

#### Sequence

Accession # [P49286](#)

### 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**

MTNR1B

**Full Name**

Melatonin receptor 1B

**Introduction**

This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This gene product is an integral membrane protein that is a G-protein coupled, 7-transmembrane receptor. It is found primarily in the retina and brain although this detection requires RT-PCR. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin.

**Alternative Names**

MT2; FGQTL2; MEL-1B-R; melatonin receptor type 1B; mel1b receptor; melatonin receptor 1B variant b; melatonin receptor MEL1B; MTNR1B; Melatonin receptor 1B

**Gene ID**

[4544](#)

**UniProt ID**

[P49286](#)