

Product Information

MemDX™ Membrane Protein Human MTNR1B (Melatonin receptor 1B) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3462K**

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

This product is a Human MTNR1B 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

MTNR1B

Protein Length

Full Length

Protein Class

GPCR

TMD

7

Sequence

MSENGSFANCCEAGGWAVRPGWSGAGSARPSRTPRPPWVAPALSAVLIVTTAVDVVGNLLVILSVLRNRKLRNAGNLFVSLALAA

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

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

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

Gene ID

[4544](#)

UniProt ID

[P49286](#)