



# Human MTNR1B blocking peptide (CDBP1928)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-MTNR1B antibody
<b>Antigen Description</b>	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. [provided by RefSeq, Jul 2008]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MTNR1B melatonin receptor 1B [ Homo sapiens ]</a>
<b>Official Symbol</b>	MTNR1B
<b>Synonyms</b>	MTNR1B; melatonin receptor 1B; melatonin receptor type 1B; mel1b receptor; melatonin receptor MEL1B; MT2; FGQTL2; MEL-1B-R;

<b>Entrez Gene ID</b>	<a href="#">4544</a>
<b>mRNA Refseq</b>	<a href="#">NM_005959</a>
<b>Protein Refseq</b>	<a href="#">NP_005950</a>
<b>UniProt ID</b>	P49286
<b>Chromosome Location</b>	11q21-q22
<b>Pathway</b>	Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
<b>Function</b>	G-protein coupled receptor activity; melatonin receptor activity; receptor activity; signal transducer activity;