

Recombinant Human MTNR1A Protein, GST-tagged

Cat. No. MTNR1A-5726H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTNR1A partial ORF (NP_005949, 296 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. This receptor is a G-protein coupled, 7-transmembrane receptor that is responsible for melatonin effects on mammalian circadian rhythm and reproductive alterations affected by day length. The receptor is an integral membrane protein that is readily detectable and localized to two specific regions of the brain. The hypothalamic suprachiasmatic nucleus appears to be involved in circadian rhythm while the hypophyseal pars tuberalis may be responsible for the reproductive effects of melatonin. [provided by RefSeq]
Molecular Mass	31.79 kDa
AA Sequence	GLLNQNFRRKEYRRIIVSLCTARVFFVDSSNDVADRVKWKPSPLMTNNNVVKVDSV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

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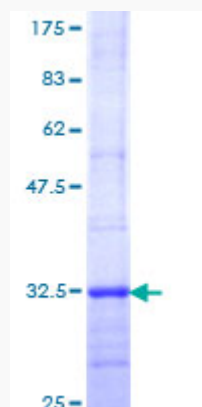
 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MTNR1A melatonin receptor 1A [Homo sapiens]
Official Symbol	MTNR1A
Synonyms	MTNR1A; melatonin receptor 1A; melatonin receptor type 1A; MEL 1A R; mel1a receptor; MT1; MEL-1A-R;
Gene ID	4543
mRNA Refseq	NM_005958
Protein Refseq	NP_005949
MIM	600665
UniProt ID	P48039

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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