

## Recombinant Mouse Mtnr1a Protein, Myc/DDK-tagged

Cat. No. Mtnr1a-4221M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length melatonin receptor 1A (Mtnr1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	High affinity receptor for melatonin. Likely to mediate the reproductive and circadian actions of melatonin. The activity of this receptor is mediated by pertussis toxin sensitive G proteins that inhibit adenylate cyclase activity.
<b>Molecular Mass</b>	40.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

### GENE INFORMATION

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<b>Gene Name</b>	Mtnr1a melatonin receptor 1A [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Mtnr1a
<b>Synonyms</b>	MTNR1A; melatonin receptor 1A; melatonin receptor type 1A; mel-1A-R; Mel1a receptor; MR; MelR; MGC151277
<b>Gene ID</b>	17773
<b>mRNA Refseq</b>	NM_008639
<b>Protein Refseq</b>	NP_032665
<b>UniProt ID</b>	Q61184

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