

## Product datasheet for **TP524599**

### **Mtnr1a (NM\_008639) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse melatonin receptor 1A (Mtnr1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR224599 representing NM_008639 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MKGNVSELLNATQQAPGGGEGGRPRPSWLASTLAFILIFTIVDILGNLLVILSVYRNKCLRNSGNIFV SLAVADLVAVYPYPLVLTSLNNGWNLGYLHCQVSAFLMGLSVIGSIFNITGIAMNRYCYICHSLKYDK IYSNKNSLCYVFLIWMMLTIAIMPNLQTGTLQYDPRIYSCTFTQSVSSAYTIAVVVFHFIVPMIIVFCY LRIWVLVLQVRRRVKPDNPKPKLPQDFRNFVTMFVVFVLF AICWAPLNLI GLIVASDPATMVPRIPEWLF VASYYLAYFN SCLN AIYGLLNQNFRKEYKKIIVSLCTAKMFFVESSNEEADKIKCKPSPLIPNNNLIKV DSV  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	40.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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>RefSeq:</b>	<a href="#">NP_032665</a>
<b>Locus ID:</b>	17773
<b>UniProt ID:</b>	<a href="#">Q61184</a> , <a href="#">Q14AC3</a>



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<b>RefSeq Size:</b>	1503
<b>Cytogenetics:</b>	8 24.95 cM
<b>RefSeq ORF:</b>	1059
<b>Synonyms:</b>	MelR; MR
<b>Summary:</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 (By similarity).[UniProtKB/Swiss-Prot Function]