

Datasheet for ABIN7549602

## Melatonin Receptor 1B Protein (MTNR1B) (AA 1-362) (His tag)



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### Overview

Quantity:	1 mg
Target:	Melatonin Receptor 1B (MTNR1B)
Protein Characteristics:	AA 1-362
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Melatonin Receptor 1B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat MTNR1B Protein expressed in mammalian cells.
Sequence:	<p>             MSENSFANC CEAGGWAVRP GWSGAGSARP SRTPRPPWVA PALSAVLIVT TAVDVVGNLL              VILSVLRNRK LRNAGNLFLV SLALADLVVA FYPYPLILVA IFYDGWALGE EHCKASAFVM              GLSVIGSVFN ITAIAINRYC YICHSMAYHR IYRRWHTPLH ICLIWLLTVV ALLPNFFVGS              LEYDPRIYSC TFIQTASTQY TAAVVVIHFL LPIAVVSFCY LRIWVLVLQA RRKAKPESRL              CLKPSDLRSF LTMFVVFVIF AICWAPLNCI GLAVAINPQE MAPQIPEGLF VTSYLLAYFN              SCLNAIVYGL LNQNFRREYK RILLALWNPR HCIQDASKGS HA EGLQSPAP PIIGVQHQAD AL           </p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	Melatonin Receptor 1B (MTNR1B)
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Alternative Name:	MTNR1B ( <a href="#">MTNR1B Products</a> )
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Background:	Melatonin receptor type 1B (Mel-1B-R) (Mel1b receptor),FUNCTION: 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.
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Molecular Weight:	40.2 kDa
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UniProt:	<a href="#">P49286</a>
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## Application Details

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Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months