

Specifications:

Gene:	mMtnr1b
Accession:	NP_663758.2
Insert size:	1108bp
Concentration:	10µg at 0.2µg/µL

**mMTNR1B cDNA
Plasmid**

**Mtnr1b melatonin receptor 1B
[*Mus musculus* (house mouse)]**

Also known as: Mt2; Mel1b; Mel-1B-R

Summary:

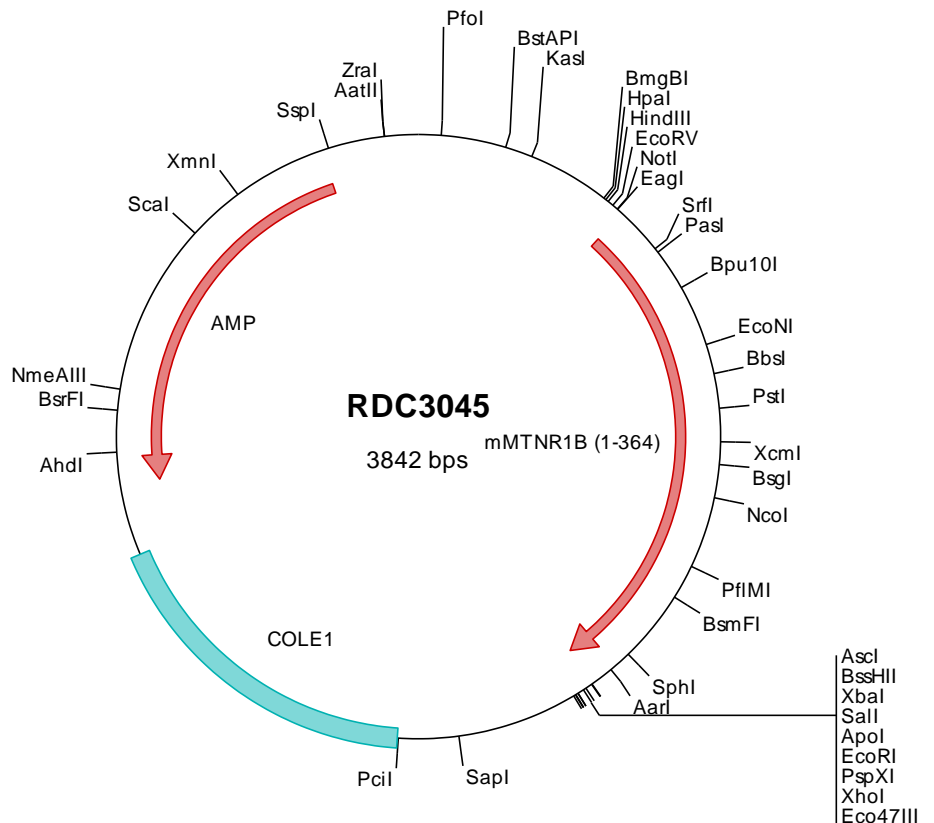
MTNR1B is one of two high affinity forms of a receptor for melatonin, the primary hormone secreted by the pineal gland. It is an integral membrane protein that is a G protein-coupled, 7-transmembrane receptor. It is thought to participate in light-dependent functions in the retina and may be involved in the neurobiological effects of melatonin.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3045 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccc
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> RDC3045 Translated Insert Sequence

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201 taavvaihlfl lpmavvsfcy lriwvlvlqa rrkakaerkl rlrpsdlrsf ltmfavfvvf aicwaplncl glavainpea malqvpeglf vtsyflayfn
301 sclnaivygl lnqnrfrreyk rillaiwntr rciqhaskhc lteerqgtppt paaratvrvk egal

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