

Product datasheet for **MC208992**

Mtnr1a (NM_008639) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtnr1a (NM_008639) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mtnr1a
Synonyms: MelR; MR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208992 representing NM_008639
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGGGCAATGTCAGCGAGCTGCTCAATGCCACTCAGCAGGCTCCAGGCGCGGGGAGGGAGGGAGAC
CACGACCGTCCTGGCTGGCTCTACACTGGCCTCATCCTCATCTTTACCATCGTGGTGGACATTCTGGG
CAACCTGCTGGTCATCCTGTCTGTGTACCGCAACAAGAAGCTCAGGAAGCTCAGGGAATATATTTGTGGTG
AGTTTAGCTGTGGCAGACCTCGTGGTGGCTGTTTACCCTTATCCCTTGGTGGTGCATCTATCCTTAACA
ACGGATGGAATCTGGGATATCTACACTGTCAAGTCAGCGCATTTCTAATGGGCTTGAGTGTATCGGCTC
GATATTCAACATCACGGGATCGCTATGAACCGTTACTGTACATTTGCCACAGCCTCAAGTACGACAAA
ATATACAGTAACAAGAAGCTCGCTCTGCTACGTGTTCTGATATGGATGCTGACACTCATCGCCATCATGC
CCAACCTGCAAACCGGAACACTCCAGTACGATCCCCGGATCTACTCCTGTACCTTACCCAGTCTGTGAG
CTCAGCGTACACGATAGCAGTGGTGGTTTTCCATTTTCATCGTGCCTATGATTATTGTCATCTTCTGCTAC
TTAAGGATATGGTCTTGGTCTTCCAGTACAGCGAGGGTGAACCCGACAACAAGCCAAACTGAAGC
CCCAGGACTTCAGGAACCTTGTACCATGTTCTGAGTTTTGTACTTTTTGCCATTTGTTGGGCCCACT
CAACCTCATAGGCTTATTGTGGCCTCAGACCCTGCCACCATGGTCCCCAGGATCCAGAGTGGCTGTTT
GTGGCTAGTTACTACCTGGCGTACTTCAACAGCTGCCTCAACGCAATTATATACGGACTACTGAATCAGA
ATTTTCAGAAAGGAATACAAAAGATTATTGTCTCGTTGTGCACAGCCAAGATGTTCTTTGTGGAGAGTTC
AAATGAAGAAGCAGATAAGATTAATGTAAGCCCTCTCCACTAATACCAATAATAACTTAATAAAGGTG
GACTCTGTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008639



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Insert Size:	1062 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_008639.2</u> , <u>NP_032665.1</u>
RefSeq Size:	1503 bp
RefSeq ORF:	1062 bp
Locus ID:	17773
UniProt ID:	<u>Q61184</u>
Cytogenetics:	8 24.95 cM
Gene Summary:	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]