

Product datasheet for **RN206909**

Mtnr1a (NM_053676) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Mtnr1a (NM_053676) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Mtnr1a
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN206909 representing NM_053676
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGGCAATGTCAGCGAGCTTCTCAACGCCTCTCAGCAGGCTCCAGGCGCGGGGAGGAAATAAGAT
 CGCGGCCGTCGTGGCTGGCCTCTACACTGGCCTTCATCCTCATCTTTACTATCGTGGTGGACATCCTGGG
 CAACCTGCTGGTCATCCTGTCTGTGTATCGCAACAAGAAGCTCAGGAACGCAGGGAATATATTTGTGGTG
 AGTTTAGCTGTGGCAGACCTCGTGGTGGCTATTTACCCATTTCCCTTGGCGCTGACGCTATACTTAACA
 ATGGATGGAACCTGGGATATCTGCATTGTCAAGTTAGTGCCTTCCATAATGGCCTGAGTGCATTGGCTC
 GGTATTCAACATCACCGGATCGCTATGAACCGCTACTGTCTACATTTGCCACAGTCTCAAGTATGATAGG
 ATATACAGTAACAAGAATTCCTGTGCTACGTGTTCTGATATGGACACTGACACTCATAGCCATCATGC
 CCAACCTGCAAACCGAACTCTCCAGTACGACCCCGGATCTACTCCTGTACCTTCAACCCAGTCCGTGAG
 CTCGGCGTACACGATTGCCCTGGTGGTTTTCCATTTCTGAGTTCCAATGATTATTGTCACTTTCTGCTAC
 TTAAGGATATGGATCCTGGTTCTTCAGGTCAGACGGAGGGTAAACCGGACAGCAAACCCAACTGAAGC
 CGCAGGACTTCAGGAACCTTGTACCATGTTTGTAGTTTTGTACTTTTTGCCCTGTGCTGGGCCCCACT
 CAACTTCATAGGTCTTATTGTGGCCTCAGATCCGGCCGCATGGCCCCAGGATCCCGGAGTGGCTCTTC
 GTGGCTAGTTACTACCTGGCGTATTTCAACAGCTGCCTCAACGCAATCATATACGGACTACTGAACCAA
 ATTTCAGAAAGGAGTACAAGAGGATTATCATCTCACTGTGCACAGCTAAGATGTTCTTTGTGGACAGTTC
 AAATGATGCAGCAGATAAGATTAATGTAAGCCCTCTCCACTAATAACCAATAATAATTTAATAAAGGTG
 GACTCTGTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2316_c11.zip

Restriction Sites: Sgfl-Mlul



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ACCN:	NM_053676
Insert Size:	1062 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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:	NM_053676.1 , NP_446128.1
RefSeq Size:	1774 bp
RefSeq ORF:	1062 bp
Locus ID:	114211
Cytogenetics:	16q11
Gene Summary:	G-protein coupled receptor for melatonin; involved in circadian rhythm and reproductive function [RGD, Feb 2006]