

Product datasheet for MC214744

Cnep1r1 (NM_029074) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnep1r1 (NM_029074) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cnep1r1
Synonyms:	5033428A16Rik; NEP1-R1; Tmem188
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC214744 representing NM_029074 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCGCTGGAACAAGCGGAAGATCTCAAGGCTTTCGAAAGAAGACTTACTGAATATATTCATTGCT
TGCAACCTGCCACTGGACGTTGGAGAATGCTTCTTATAGTGGTGTCTGTCTGTACAGCTACTGGTGCCTG
GAACCTGGCTAATAGATCCTGAGACACAAAAGGTGCTCTTTCACGTATTATGGAACCATCCGTTTTTC
ACTATTAGCTGTATAACTCTAATAGGCTTGTTCTTTGCTGGAATACACAAAAGAGTAGTCGCACCATCAA
TTATAGCTGCTCGATGTGCAACGGTATTAGCAGAATACAATATGCCTGTGATGATACAGGAAAGCTAAT
TTTGAAACCTAGACCTCATGTTCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_029074
Insert Size:	378 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_029074.3</u> , <u>NP_083350.2</u>
RefSeq Size:	1832 bp
RefSeq ORF:	378 bp
Locus ID:	382030
UniProt ID:	<u>Q3UJ81</u>
Cytogenetics:	8 C3
Gene Summary:	Forms with the serine/threonine protein phosphatase CTDNEP1 an active complex which dephosphorylates and may activate LPIN1 and LPIN2. LPIN1 and LPIN2 are phosphatidate phosphatases that catalyze the conversion of phosphatidic acid to diacylglycerol and control the metabolism of fatty acids at different levels. May indirectly modulate the lipid composition of nuclear and/or endoplasmic reticulum membranes and be required for proper nuclear membrane morphology and/or dynamics. May also indirectly regulate the production of lipid droplets and triacylglycerol (By similarity).[UniProtKB/Swiss-Prot Function]