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Product datasheet for MC207603

Cep19 (NM_025892) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep19 (NM_025892) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep19
Synonyms:	1500031L02Rik; AI428934; AL022620
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207603 representing NM_025892 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAAATACATTGCCAAGAAATGTGGAGTTAGGTTCCAGCCTCCAGCTGTGATCTTGATTTATGAGAATG AAACCGAAGGAAAGAGCCGCCAGCGTATCATGCCTGTCCGAAACTTTTCAAAGTTCTCAGATTGCACCAG AGCTGCGGAACAGTTAAAGAATAACCCACGGCACAAGAGTTACCTGGAACAGGTGCCCCTGAAGCAGCTG GAGAAGCTGTTTGTTTTTTTGCGAGGTTCCTTGCAGGGGCAGAGCTTGGCAGAAACAATGGAACAGATTC GGCGGGAAACGACCATCGATCCCGAGGAAGACCTGAACAAACTGGACGACAAGGAGCTCGCCAAAAGGAA GAGCATCATGGATGAGCTTTTCGAGAAAAATCAGAAGAGAAAGGACGACCCCACTTTTGTGTACGACGTC GAGGTGGAGTTCCCTCAGGATGAACAGCTGCTGTCCTGCAGCTGGGACACAGCGTCAGTGGATGACTTCT GA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_025892
Insert Size:	492 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:	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_025892.2, NP_080168.1
RefSeq Size:	1701 bp
RefSeq ORF:	492 bp
Locus ID:	66994
UniProt ID:	Q9CQA8
Cytogenetics:	16 B2
Gene Summary:	Required for ciliation. Recruits the RABL2B GTPase to the ciliary base to initiate ciliation. After specifically capturing the activated GTP-bound RABL2B, the CEP19-RABL2B complex binds intraflagellar transport (IFT) complex B from the large pool pre-docked at the base of the cilium and thus triggers its entry into the cilia. Involved in the early steps in cilia formation by recruiting the ciliary vesicles (CVs) to the distal end of the mother centriole where they fuse to initiate cilium assembly. Involved in microtubule (MT) anchoring at centrosomes. [UniProtKB/Swiss-Prot Function]