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Product datasheet for MC225300

Cep295 (NM_176976) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep295 (NM_176976) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep295
Synonyms:	5830418K08Rik; 5832426L23Rik; Gm1131; Kiaa1731
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC225300 representing NM_176976
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGAAGTGACGAGAGCCGGGTCATGGCTGTCCCGCAGGTACCCAAACGGCTGCTGGGTAGCCGGCC
GGGTGCGGGTGCCTGTGTGTCGTGAGGCCAGACCACACACGCTGTCAGATCCTTTATATTTAACATACTC
AGAAATGAAAAGAAAGGGAATGAATACAAAGCTGAGATTGAGCCCTAGTGAAGAAGCCTTCATTTTGAAG
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GGCGTCCTTTGAGCAGGAGCAAGTCACAGACAGTGATAGGCTGACGATAGAATCTGGACCACTGAGCAGT

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GAAGATAAGCCATTGTACTACAAAGCGGGGACTGGAAGGGAACAAGCAATGGCAGTGTCTCCACCTGCCA
CAGCTGTGGCTCAGAGTTCAGTCCTGCTTCATCCTCAGGAAGAGGCAGTCAGAATTCGAATGTCATTAAG
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GTAGTTTACAAGAAGCATTTATGACAAGACAGACACTTACAGAACGATCTTACCAGAGGCAGAGAGAGAT
CTGGAATAAAACTCGACTCCCTCAAACCAAAGTATCCAAAGAGAAGCTACCTACAGGTTGCACAGGCAGT
TAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_176976

Insert Size: 7143 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:	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:	NM_176976.4, NP_795950.2
RefSeq Size:	7380 bp
RefSeq ORF:	7143 bp
Locus ID:	319675
UniProt ID:	Q8BQ48
Cytogenetics:	9 A2
Gene Summary:	Centriole-enriched microtubule-binding protein involved in centriole biogenesis. Essential for the generation of the distal portion of new-born centrioles in a CENPJ- and CEP120-mediated elongation dependent manner during the cell cycle S/G2 phase after formation of the initiating cartwheel structure. Required for the recruitment of centriolar proteins, such as POC1B, POC5 and CEP135, into the distal portion of centrioles. Also required for centriole-to-centrosome conversion during mitotic progression, but is dispensable for cartwheel removal or centriole disengagement. Binds to and stabilizes centriolar microtubule.[UniProtKB/Swiss-Prot Function]