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Product datasheet for MC207971

Cep44 (NM_001009951) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep44 (NM_001009951) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep44
Synonyms:	4933440G23Rik; mKIAA1712
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC207971 representing NM_001009951
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAACAGGTGACTTAAAGAGAAGCTTGCGGAAGCTAGAACAAGTGCTTCGGTCACTGAATTACCCCA
ATGAGGTGGATTATGTCGGCCTGATAAAGGGAGACACAGCAGCATCCTTGCCCATCATCAGCTACTCTCT
CACCTCATACTCGCCTTACGTAGCCGAACTCCTAATGGAATCCAGTATAGAGCTCATAGCGAAGAACGAC
GTGCGCTTTACAGATACTGTCTACAAGCTTCTTCGTGATCAATTTGATTATAAACCAATTTTGACAAAAA
AGCAATTTATACAGTCTGGATTTGCTGAATGGAAAATTGAAATTGTCTGTGATATATTGAATTGTGTGAT
GAAAAAACACAAGGAATTGATTGGCCTTGACAAGAATTCATCATGCCAAAGGAAGAAGAATGTTTCTGAG
AAGCCAGAACCTTGTTCAAACAGTGAGAAACGCCCTGCAGAGGCTGTTGGCATTGACATCACGGGCAGGT
TTATGACGTCGGGAAAGAAGAAAGCTGTGGTGATCCGCCACCTGTACACTGACGAGAAGGTTGGCGTTCC
TGAAGGGACAGTAACCTTAGCAGACATCAGTCAAGGCTGCAGTGAGTCAGCAGAGCAGAGTTCTGACATT
CGGATTCCTGAGGCCCAGGACCCTGAGGTCAAGGCTGAGCTGCAAGATATATGTGATCATCCTGAGATTA
CCGCACTTCAGATCGCACTGGCCGAATGTCAGGAAAAGCTGAAGCAGCTGACTTGGATAGAGAAACGGCT
TGAGCGTTTGGAAGCTGCAACACACGGGAAAGTGATGGTCGACGAGAAGGCCTGGAACAACCTTCTAAGT
CGTGTCACTCTTCTAGAAACGGAGATGCTGTTGTCCAAAAAGAGTGAATCTGTAGAGCGTAATGTGGCAA
GTCAAGACTGTGAGTCAATTAGTGATGTGGACTTTGTACCCTATGATAAAAACTACAGTGTGGGGGGAGC
AGCAGGCAACTACCGCTCGTCTGGCTGTAGTGCAGTCTCATCAGAAACAGCACCCGGGAGCTCCATTGTT
AATTACTGTGTCTTGAGAGAGTTCTCAGAGGAAACAACTATCCAGAAAATGGAAAGGATGAAAAAAATGT
TTGAAGAGACAGCAGAGTTACTGAAATGCTCAAGTCGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001009951
Insert Size:	1161 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.
RefSeq:	NM_001009951.1, NP_001009951.1
RefSeq Size:	1433 bp
RefSeq ORF:	1161 bp
Locus ID:	382010
UniProt ID:	Q5HZK1
Cytogenetics:	8 B2
Gene Summary:	Centriole-enriched microtubule-binding protein involved in centriole biogenesis. In collaboration with CEP295 and POC1B, is required for the centriole-to-centrosome conversion by ensuring the formation of bona fide centriole wall. Functions as a linker component that maintains centrosome cohesion. Associates with CROCC and regulates its stability and localization to the centrosome.[UniProtKB/Swiss-Prot Function]

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