

Product datasheet for **MC201672**

Cep41 (NM_031998) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep41 (NM_031998) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cep41
Synonyms:	1700017E11Rik; 2810431D15Rik; Cep4; Tsga; Tsga14
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>BC031892 sequence for NM_031998
 GGTGGAGCAAATATGTCTGCCCGGAGGCACATTGGGAATCCTGAGTATCTGACCAGACGGATACCACAG
 AACCCAAGGTATCAACATGTCAAGTCAAGACTGGATACTGGTAACAGCATGACCAAAATACATTGAGAAGC
 TAGAAGAGATTAATAAATATAGATACAAAAAGATGAACTTTTCAAGAGACTAAAAGTTACCACTTT
 TGCCAGCTGGTCATTCAAGTCGCTTCCCTGTGATCAAACTGGAAGTGACAGCTGAGGAGATCCAA
 AGGCTCGAAGACAATGATTCTGCAACTCAGAGGCTGATGCTGAAATTGCTGCCAAGACAATGGGAAAG
 GGAGCCCTGAGGAACAGTCACCCAGCCCTGTCCAGTTCATCAACAGCACGGGAGCAGGGGACTCCAGCCG
 CTCCACTCTGCAGAGCGTCATCAGTGGCGTTGGGGAAGTGGATGTAGACAAGGGCTCGTAAAGAAAGAA
 GAACCAATGGCAAAGACAAGCCTTATCCGGACTGTCCCTTCTGCTGCTAGATGTTTCGAGACAGAGATT
 CTTATCAGCAGTGCACATTGTGCGGGCTTACAGTTACCCATTGCAACTCTATCCAGGACAATGAACCC
 CTATTCAAATGACATTCTTGAGTACAAGAACGCCACGGCAAGATCATCATCTTATACGACGAGGACGAG
 AGGCTGGCCAGCCAGGCGGCCACCACATGTGTGAGCGTGGGTTTAAAACCTCTTCATGCTTCCGGGG
 GTCTGAAAGTCTAGCTCAGAAGTCCCAGAAGGACTGGTCACTGGTTCCTGCCAGCCTTGGCCAGCA
 GGCCCTCCCTTTGGTTCTGTCCGAAACGACGTGGCCCAAAATGCCAGCCTGCCAGCTGAGAACAAG
 TGGAGATTTACCCAGAAGACTTAAAAAGATAGAAATGTTACCTGGAAGAGGACCAGGGACCAGCAGACA
 ACCCTAGCCGACTGAACCAAGAACTCTGCTGGAAGAAAGACTCGAAGGTGGCTGCTTGGCCGGTGGCCA
 GAACCTGCCACCAAGCTGTCTGCCAGCACTCGAGCCCCGCACGCTCACCCAGCGGTCACTGCAAGGC
 AAACCTGGAAGTGAAGGCTGTGTTGTTACTCAAATAAATGCCCCCTCCTTTCGGAACCTCAGCGC
 TCCCAACTTGGTCTTTTCAAGACTGCTGTAGAGAAAACAGCCATGCTACACGGGCTGGACCAGGCCACT
 TGTCCGTCTGCAGCTCCACTCCCTTCACTCAGGAAGGAGTCTGACAGATGACCACAAAACAGAGGCTT
 GGCAGGCTCTAGTTGCCCTCCATTGTTTACAGAAGATTCATGTCTTTGAAATGAATAGGAAAAAGAA
 AGATACTTTCTTTTAAATAAGGTCCAGCCTGTTGGTCTGTAACCAGTGTGTTCTGTAATAATTCACT
 CACATCTGCTGGTGTGTTCTTCCAGTAGCTTTTTCATTCACTGTTGATTGTTGTTGTTGTTGTTGTTG
 TGGCCTGGAATTGGCCGCTGTCCACAGGTGCAGATGAGTTCTTGGTTTCTGCAGCCACAGTCCCTCA
 CACTGAGTCTTAGCTCGCTCTGGAGGCTGCAGGCTCTGCTGGGCATTTGAAGCTGAGGGGTGGTCTGTGA
 GCATGGGTGCATCTTGTGGTTTAGCAGAGAGGCTCTGTGCAAAATGATCCTCTCCTTAAATGGTTTCT
 GGGACCACAAAGATGTGTGTTTCCAGTCTTCTCACCAGAAGGAGGGCCAGTACAGGAAGACCCAGCAAC
 CTGCGGGTCTGTGCTGAGAGCCTTGAAGGCCACCACAGCTGTCCCTTCAATGAGCCTTATATCAAT
 TAAAATTTCCATTGCCTGATGTGAGTCCAGCTATGTTAAAGGGATAGAAATCACAGTCAATTTGAAAGCA
 TCAGTTCACACGACAAGGGGACACACAGGTGAGGGGACTCAGGAGTCTTTGTGGGGTGCACAACC
 CCTTAAGCCCTTGCTTAAAAATACAGTATTAGTCTAATTGAGTAATTAGTCAATTTCTGCTTGTCTTT
 CATTCTCAGACTGAGCTGTGATTAGGAGCTGTGATTATAGATTCTGGTTTGGCCGGAATTTGAAATCG
 GCATTAATTGAATTGCTAGATGACTGACATCCATTCTATTTAATTGGGGGAACAAAAGACCTCAGGTAAG
 GATGAGGCCATGAAGTCAAGGGAAGGACGAGCCTGTAAATTTTATGGTCTGTGATCGTAGCTGTGA
 TAAGGGACTAAAGAAATAATTGTGCTCTTTGTCATGGCAACCAGCTTCTGAAAAGCCAGCTGAAAATTGC
 CTACCCTTAGGTTACTGCTGCTGGGTGAGAGTGCCTTAAACAGTGTCTATTTCTCACCCTTAGGAAAA
 AAAGAAAAAGGCAAGGCCACAGTATTTCTAGCAGGGAGGCTGTGTTTGAAGGAAATAAACGTAATA
 AATATCTCATGGAGACATATGAAAAATAACTCAGTCAACCCAGCCCGCTTCAAGATGTTTATTCTT
 CTCCACTTGATTTCCAGAGTCAACATTTTCCAATGCTTTAGAAATCAAACAACAGGGACATTGTTCA
 GATGTGAGGCCGTGCCAAATTTCCACAAGATTCAAGAATCGGTATAAAATTCAGCCAACGTACACATA
 GCTTTAATGAGGAGCCTGTGCTGTTTCCCATAAATTTATTGCCTGAGAGCTTGGTTTCCAGCTTTTGT
 ATGCCAATGCACTGGCTTTTATTTTCTTACAGCATAGATCAAAAAATGCAATTTTCCACTCA
 ACTTTCCCTAGCATGGACAAGATTTTTCAGTCACTTTGACACGTATACATTTGTAATGAAAATACCTTT
 CCTCGGTGACAGAGTCTGGTTTCCAGTTAACATCAGCCAGTCAAGGAGTACCTCTACACCAATT
 CTGTTTGGAAAGTCTCTGCTGTCTGATCTGCATTCCACCAATGGATGTTAGTGTGGAAATGACTG
 TATATACGTACAGAGACTGTTTCGGCAAAGCTGTTAGAATTGCTGTGATTTACTGGCGTGGTCTAGCAG
 GCTGAATGATTTCCATGTGTTTCTCCATAGCTCTTGGCCTGTTGGCAAGAGTCTCAAACCTCAAGAGA
 GCCGACCCCTTCTGCACTCAGTGTCTCTCCAACACTGTTGCTTCTCAACGTTCCACTTTACCAGTTTC
 TTCATTAGATTATTTGACATGATTATTTAAATGATCAGTGATACTTTGTGCAATTATGAATGTTGAAGA
 TTAAGAACGTAGTTACTAAAAA

Restriction Sites:

RsrII-NotI

ACCN:	NM_031998
Insert Size:	1122 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:	<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:	BC031892 , AAH31892
RefSeq Size:	3393 bp
RefSeq ORF:	1122 bp
Locus ID:	83922
UniProt ID:	Q99NF3
Cytogenetics:	6 A3.3
Gene Summary:	This gene encodes a centrosomal protein which may be required for tubulin glutamylation in cilia during ciliogenesis. Mutations in a similar gene in human have been associated with Joubert Syndrome 15, an autosomal recessive ciliopathy and neurological disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015] Transcript Variant: This variant (1) encodes the functional protein.