

Product datasheet for **RN202170**

Cep41 (NM_001025770) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cep41 (NM_001025770) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cep41
Synonyms:	Tsga14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202170 representing NM_001025770 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCAGACAGTCCCATTGACGGCTCGCCTCAGCCAGAACCAGATTATAGATACAAAAAGATGAACTTT
TCAAGAGAATAAAAGTTACCACTTTGCCAGCTGGTCATTCAAGTTGCTTCCCTGTCAGATCAAACACT
GGAAGTGACAGCTGAGGAGATCCAAAGACTCGAAGACAGTGATTCTGCAACGTCAGAGGCTGACACTGAC
ATTGCTGCCAAGACCAATGGGAAAGGGAGCCCTGAGGAACAGTCGCCAGCCCTGTCCAGTTCATCAACA
GCACGGGAGCAGGGGACGCCAGCCGCTCCACTCTGCAGAGCGTCATCAGTGGCGTTGGGGAAGTGGATGT
AGACAAAGGGCTCGTAAAGAAAGAAGAGCCAGTGGCAAAGACAAGCCTTATCCCGACTGTCCCTTCCTG
CTGCTAGATGTGCGTGACAGAGATTCTTATCAGCAGTGTACATTGTGCGGGCCTACAGTTACCCATTG
CAACTCTATCCAGGACAATGAACCCCTATTCAAACGATATTCTTGAGTATAAAAAATGCTCATGGCAAGAT
CATCATCTTGACGATGACGACGAGAGGCTAGCCAGCCAGGCAGCCACCACCATGTGCGAGCGCGGGTTT
GAAAACCTCTTCATGCTTTCCGGGGTCTGAAAGTCTTAGCTCAGAAGTTTCCGGAAGGACTGGTCACTG
GTTCCCTGCCAGCCTCTTGCCAAAGGCCCTTCCTTTGGTCTGTCCGGAACGACCTGGCCCCAAAT
GCCAGCCCTGCCAGCTGAGAACAAGTGGAGATTACCCAGAAGACTTAAAAAGATAGAATGTTACCTG
GAAGCGGACCAGGACCAACCAACCTAGCCGACTGAACCAAGATAACTCTGCTGGAAGAGACTTGA
AGGTGCCTGCCGCGCGGGTGGCCAAACCTGCCACCGGCTGTCTACCAGCCACTCGAACTCCCGAAC
ACTCAACAGTGGTCACCTGCAAGGCAAACCTGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001025770
Insert Size:	1020 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:	<u>NM_001025770.2</u> , <u>NP_001020941.1</u>
RefSeq Size:	2481 bp
RefSeq ORF:	1020 bp
Locus ID:	500069
UniProt ID:	<u>Q4KM37</u>
Cytogenetics:	4q22
Gene Summary:	Required during ciliogenesis for tubulin glutamylation in cilium. Probably acts by participating in the transport of TTLL6, a tubulin polyglutamylase, between the basal body and the cilium (By similarity).[UniProtKB/Swiss-Prot Function]