

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207971 representing NM\_001009951  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAACAGGTGACTTAAAGAGAAGCTTGCGGAAGCTAGAACAAGTGCTTCGGTCACTGAATTACCCCA  
ATGAGGTGGATTATGTCGGCCTGATAAAGGGAGACACAGCAGCATCCTTGCCCATCATCAGTACTCTCT  
CACCTCACTCGCCTTACGTAGCCGAACCTCTAATGGAATCCAGTATAGAGCTCATAGCGAAGAACGAC  
GTGCGCTTTACAGATACTGTCTACAAGTCTCTCGTGATCAATTTGATTATAAACCAATTTTGACAAAA  
AGCAATTTATACAGTCTGGATTTGCTGAATGAAAATTGAAATTGTCTGTGATATATTGAATTGTGTGAT  
GAAAAACACAAGGAATTGATTGGCCTTGACAAGAATTCATATGCCAAAGGAAGAAGAAATGTTTCTGAG  
AAGCCAGAACCTTGTTCAAACAGTGAGAAACGCCCTGCAGAGGCTGTTGGCATTGACATCACGGGCAGGT  
TTATGACGTCGGGAAAGAAGAAAGCTGTGGTGATCCGCCACCTGTACACTGACGAGAAGGTTGGCGTTCC  
TGAAGGGACAGTAACCTTAGCAGACATCAGTCAAGGCTGCAGTGAGTCAGCAGAGCAGAGTTCTGACATT  
CGGATTCCTGAGGCCAGGACCCTGAGGTCAAGGCTGAGCTGCAAGATATATGTGATCATCCTGAGATTA  
CCGCATTCAGATCGCACTGGCCGAATGTCAGGAAAAGCTGAAGCAGCTGACTTGGATGAGAAAACGGCT  
TGAGCGTTTGAAGCTGCAACACACGGGAAAGTGATGGTCGACGAGAAGGCTGGAACAACCTTCTAAGT  
CGTGTCCTCTTAGAAACGGAGATGCTGTTGTCCAAAAAGAGTGAATCTGTAGAGCGTAAATGTGGCAA  
GTCAAGACTGTGAGTCAATTAGTGATGTGGACTTTGTACCCTATGATAAAAACTACAGTGTGGGGGAGC  
AGCAGGCAACTACCGCTCGTCTGGCTGTAGTGCAGTCTCATCAGAAAACAGCACCCGGGAGCTCCATTGTT  
AATTACTGTGCTTGAGAGAGTTCTCAGAGGAAACAACATCCAGAAAATGGAAGGATGAAAAAATGT  
TTGAAGAGACAGCAGAGTTACTGAAATGCTCAAGTCG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001009951
<b>Insert Size:</b>	1161 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001009951.1</a></u> , <u><a href="#">NP_001009951.1</a></u>
<b>RefSeq Size:</b>	1433 bp
<b>RefSeq ORF:</b>	1161 bp
<b>Locus ID:</b>	382010
<b>UniProt ID:</b>	<u><a href="#">Q5HZK1</a></u>
<b>Cytogenetics:</b>	8 B2
<b>Gene Summary:</b>	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]