

Product datasheet for **MC224699**

Cep170b (NM_001024602) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cep170b (NM_001024602) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cep170b
Synonyms: AI466840; AW555464; Kiaa0284; mKIAA0284
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224699 representing NM_001024602
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGTCACATCTTGGTTCCTGGTGAGCAGCAGTGGCACCCGCCACCGGCTCCCGCTGAACTCATCT
TCGTGGGGCGTGATGAATGTGAGCTCATGTTGCAGTCCCGTAGTGTGGACAAGCAGCATGCCGTCATCAA
CTACGACCAGGACCGTGATGAGCACTGGGTGAAGGACCTGGGCAGTCTCAATGGGACATTTGTGAATGAT
GTGCGCATCCCAGACCAGAAGTACATCACACTGAAGCTCAATGACGTATCCGCTTTGGCTATGATTCCA
ACATGTACGTGTTAGAGCGTGTGACGACCGTGTCCCGAGGAGGCGCTCAAGCAGGAGAAGTACACCAG
CCAGCTGCAGGTGAGCGTCAAGGTCTCTGCGCCCAAGAGGGGTGATGCACTGCCCGACCACACCCCTAC
TGCGAGTCCCTCACAGCCTAGACCAGAGAAAGGTGACCGAAGACATGGAGCAGAGGCGGTGCTTACCGCA
CACCCCTGTATGGGCAGCCCTCCTGGTGGGGTGAAGTACAGTGGGACCATCTGAAGACCGGCACCA
GGAGGAGCCCTACTCAGAGCGTCCCAAGGACCTGGCACAGCAAAATGGTGAAGTGGACAGTGGCGTGTG
CCCGCCGAGCCACCAGACTACTCGTTCAGACGTGAGCCAGCTACTTTGAGATCCCCACGAAGGAAACCC
CGCAGCCTCCAAGGCTCCCTGAGGTGCCACCCAGGAAGTGGCCACAAAAGACCAGGAGCGAGGTGTTGG
TGGGACGGCCCTGTGGTGCAGAGCCACGCTCCTTACCAATTGAGTTTATGACTGCAGTCCAGGCAAG
GTGAAAATCAAAGACCATATCACCAAGTCTCCCTGCGCCAGCGCGGGCTCCCAGCAAGGAGACCACCC
CTGTGGAGACGGTCTCGGCCGAAACCAAGGTGGCCGACTGGTGGTGCAGAACGACCCAAAGCCTGCTGCG
CCGGGATGGCCCCGGGGATGACCGCCACAGCACAAAAGCGACCTTCTGTCCCACTCGAACTCTGAAG
GGCCACAAGCATGAGGATGGCACACAGAGCGACTCGGAGGACCCCTTGGCCAAGACTGCTTCGGTGTCTG
GAGCCTCAGCGGAGGCCAGTGGGAGCAGGTGCGGCTGCAGAGGCAGATCAAAGGGACCCCTCAAGAGCT
GCTGCACAACCAGCAAGCCTTTGTATCGAGTTCTTCGATGGGGACACACCCCGTAAGAAACGCTCCAG
TCCTTTACACACACCCCGCTGCAGACCCCAAGGCTGACAAGCGTCGGGGTCTGGGACTTCAGACAGAG
ACCGTCTCGGTGTCTCGGTCCGTGCCACTGGCAGCAGCTCAGGACCACAGAGGGCCAGCTCGCTCAAGCG
AGAGAAGACTGAGGAGCGACTGGGCAATACTTCTCCCGTCCCCCGCGCTCCACCCGCTCCTTTGGCAGT
GTGGGGCGCCGCTCCCGCTGGCCAGGACTTCATGGCCAGTGCATGCGGGACAGTTCCCCAGCCACAA



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GACCTGCCCCGAGAAGACACCTCCAGTGTGCCCGCCCTTTGACACCCCGAGGAGCCAGCCCTGTGAC
 CCCCTCAACCACCCACCGCCTCCCACTGACCCTCAGCTGACCAAGGCACGTAACAGGAGGAGGATGAC
 AGTCTTAGCGACGCAGGCACGTACACCATTGAGACAGAGGCTCAAGACCAAGAAGTGGAGGAGGCTCGGA
 GGATGATCGACCAGGTTTTTGGAGTGTTGAATCCCCTGAACTCTCCAGGGTGTCTCTGTACCTCCG
 CCCTGTATCAGAGGTGACAAAGATGAGTCCAGTATGGGGCATGGCCAGCGGATGGCTTTGTGCAA
 GAGTTTTGCCTCCGAGCACCAGGCATGGCTCCCAAGATGGAGCAGCAGAGCCTTTGGTCCCAGGTTCTC
 CTGGGGGTGAGAAGTGGTTTTCCCGATGGGTAGCCTGGCTGACAGCTACTCAGATGAGTGTGCCAGA
 GGACGGTCTGGGCGCAGAACCAGGAGAGCCTGAGGGGCCCTGCCTGTGCGAACTCGGCGTCTGCTCCCT
 CAGTTGCCAGTGGTAGGGCTGACAGCCCCGAGGCTTGAAGCTGCCAGCGGAATGGCCAGGGCCAC
 CAGAGCTGGGCGAGTGGCCAGCAAACCTGCCTCATAGGCCAGGAAGACCTGGACCTGATAGTCTCAGTGA
 TGCCAGTGGGTGAGTGGCGCCGAGGCCAGAACAGGCACAGAGCGCAGGAGGATCTAGCATGGGTG
 AGGGGTGCGGCTCACCACGGGCCCTGGGGAGCTAGTCCCACCTTTTCTTATTGGTGTGAGAAATG
 GGGAGGCCACCTCCCAAGAAATCATTGTGGGTCTGGGAAGTGGATGGCCAGGACGGGTAGTCCA
 GACCAGCCCTCAGCAAGGGATGGCTTACGTACGTTCCAATGGGAGGATGGTGTCCAGTTGCGCAGT
 GGTGCGTCCCAGAGCCTGACCCAGCTCCACCAAGGAGACTCTGACCTTGGCCGCAAGAGAGTTTCA
 CTAAAGGAGCAACCAGCGGCCCCAGCACCTGGCAAGCTCCCCACATTTCTAGCCACCCGCTCCTACA
 AGACTTGGCTGCAGCCGTGCCTCACGCCTGGACTTCCACGCTCAGGACACCCACCTGATCTGAAGGAG
 ACTGAGACAGCCCTGGCAGCCCTGGAAGCTCGACTCCGCTCCAAGTCTGCAGACGAGTGTGATGGGGTA
 GCACCCAGGCTCCAGAGGACTCGTGTCTGGGATTAGATGTGGACACAGCCAGCACCATTAGCTT
 GCTCAGCGGCAAAAATGGTCCCAGCCAAACACCCAGACTCCAGGACCACAGAAGGAGAGCCATTG
 TCTCCACCAACAGTACCAGACCCAGGGGTGCTACCCGGGCAGCGCCGAGAGCGGATGTCTGAGAGAC
 AGCATCGCCAAACACTGCAGACTTGGCCCTGGAGACACATCAAGGCGCGCAGCCATGCGGCGAGGTCA
 TGGTCTCGAGGGTCCCTGGACTGGCCGAGGAAGAGCGAGGTTCTGGCCTTGCCACTTGCCAGTTCC
 AACACAGAGACCCAGAGGCTACCTGGCAGGCCGACAAGGACCTCGTCCGAAACAGCGGCTCCCCAC
 CATCCCCAGCGCACGGGAGGAGCAAAGCCGAGCTCCGCCACCGCTCAGAAGGTGCAGCAGGCACTGAC
 CCGCTCTAACAGCCTGTCCACCCAAAGGCCACCAGGGCCTCCGACTCAGGCGGGCCCTCTAGGGGAT
 GCCTCAGACACTGAGGCTGTGGATGGTGAACGAGGGACCGCAGCCAACCTGAACCAGCAAATCGTGCTG
 CCCCTGAGCAGGCCAAGAACTGACACGCTTGGACATCCTGGCCATGCCCGGAAGCGGGCAGGCTCCTT
 CACAGGGCCAGTGATTCTGAGACTGCCCTGCCCGTACTGGCTTCTCCGGTGCAGTGTGAGCTTAC
 AGCACCAGCCGTAAAGCCACGATAGCTGAGGCCGTGCTGCTGCCAAGAAGGCTGCTGCTACTGCAGCCA
 AACTGGCCCCGCCAGCCCTTACGAGGGCTCGCCCGGCAAGTCCAGATATTCTTCCAACACGAGGCG
 TGGCAGCAGGGTTCCGATTACACGTCCACCTCCGAGGAGGAGTATGGGTCCACCACAGCTCCCTAAA
 CACACAGCTCCCATGCCTCAACAGCCACACAGACCCCAAGGGGAGCAGCTCTACCCGGGCTCGTCCC
 AGGGCCCCGAGACACAGATGATGACGAGGAAGAGCCTGACCCCTACGGCTTCTCGTGCAGACAGCAGA
 GATCGCAGAGATTGCTAGGCTAAGCCAGACACTAGTGAAGGATGTGGCCATCCTGGCCAGGGAGATCCAT
 GATGTGGTGGAGACGGGACTCACTGGGCTCCCAGGCCCACTCGCAGCCATCTCTCGGAAATGTGC
 CCAACACCCCTGCCTCAACATCTCAGCCCGGAAGAGCTGGTACAGCGTATACCAGAGGCCAGCCTGAA
 CTTCCAGAAAGTCCGCTGGCTCTATGAACTTCACAACCTGGACCAGAAATGAATGACAGCCGAGAC
 GATGCTTGACCAACAAGACGAGGCTCGGAACCGTGGAGGATGATCTTTGATAATCTGATGCTAAACC
 CGGTGTCCAGCTGTACATGCCATTCTGAAAACACGGAGCATTTGCTGAGAAGATGAAGTCCCTCTT
 CAGAATACAGGCCGGGCTGGGAGGACTTAGAGGCCAGAATCAACTCTGAGAATGAAGTACCCATCCTG
 AAGACATCCAACAAGAAATCAGCTCCATCCTGAAGAACTTCGACGCGTACAGAAGCAGTTAGAAGTCA
 TCAATGCCATCGTGGACCCAGCTTGAACCTCGACCTACTGATGGGAAACAGGGCTCCTTCAAGGTCTGG
 CCAGCCAGGACTTGGAAAGCCCGCCAGCAGCTCAGAGCTCACTTACCTGCCTCGGTGGATACCTTG
 CTGCCAGCCCTGCCTCTCAGGAGCTTCCACAGCGGGCAACTGCGGGCCCCCGCCTCCCGAGCCTG
 CCTTCTTCTGATGCTGAGAGGTTTCTGATCTAA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-NotI

ACCN:

NM_001024602

Insert Size:	4725 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:	<u>NM_001024602.3</u> , <u>NP_001019773.2</u>
RefSeq Size:	6640 bp
RefSeq ORF:	4725 bp
Locus ID:	217882
UniProt ID:	<u>Q80U49</u>
Cytogenetics:	12 61.2 cM
Gene Summary:	Plays a role in microtubule organization.[UniProtKB/Swiss-Prot Function]