

Product datasheet for **SC304202**

KIAA0284 (CEP170B) (NM_015005) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA0284 (CEP170B) (NM_015005) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIAA0284
Synonyms:	CEP170R; FAM68C; KIAA0284
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015005, the custom clone sequence may differ by one or more nucleotides

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ATGCGCATCCCGGACCAGAAGTACGTACGCTGAAGCTCAACGATGTCATCCGCTTCGGC
TACGATTCCAACATGTATGTGCTGGAGCGTGTGCAGCACCAGTCCCGGAGGAGGCACTC
AAGCATGAAAAGTACACCAGCCAGCTGCAGGTGAGCGTGAAGGGTTTGGCGCCCAAGAGG
AGCGAGGCACTGCCGAACACACACCATACTGCGAGGCCCTCGAACCCAGGCCGAGAAG
GGGACCCGAGACCAGGAACAGAGGCAGCCTCTTACCGCACACCCTGTATGGGCAGCCC
TCCTGGTGGGGTGAAGACGATGGTAGCACGCTGCCTGACGCCCAGCGCCAGGGAGAGCCC
TACCCAGAGCGCCCCAAGGGACCAGTGCAGCAGGACGGGAGCTCCACGGCTTCCGCGCC
CCTGCTGAGCCTCAGGGCTGCTCGTTCCGCGGGAGCCAGCTACTTCGAGATCCCCACG
AAGGAGACCCCGAGCCGTCGCGACCCCCCGAGGTGCCGGCACACGAGATGCCACGAAG
GATGCAGAGGCAGGTGGGGGCGGAGCGGCCCTGTGGTGCAGAGCCACGCCTCCTTCACC
ATCGAGTTTGATGACTGCAGCCCTGGCAAGATGAAGATCAAGGACCATATCACCAAGTTT
TCCCTGCGCCAGCGGCGGCCCGGGCAAGGAGGCCACACCTGGCGAGATGGTGTGCGCT
GAGACCAAGGTGGCCGACTGGCTGGTGCAGAATGACCCGAGCCTGCTGCACCGGGTTGGC
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GGCCACAAGCACGAGGACGGCACGCAGAGTGACTCAGAGGACCCCTGGCCAAGGCGGCC
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ACCATCGAGACCGAGGCGCAGGACACGGAGGTGGAGGAGGCCCGAAGATGATCGACCAG
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GTCATCAGAGGGGACAGAGATGAGTCTGATGACGGGGCGTGGCCACGGGATGGCGCTA
CTGAGGAGTTTGCTCCCGCCACTGGGTGCGGCCCCCAGGCGGAGCACCAGGCGCTC

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CCGGTGCCGGGCTCCCCTGGGGGTGAGAAAGTGGGTGTCCCGCTGGGCCAGCCTGGCTGAC
 AGCTACTCAGACCCGGGCTCACAGAGGATGGCCTGGGACGTAGAGGCGGGGAGCCGGAG
 GGGTCCCTGCCTGTGCGCATGCGCGACGGCTCCCTCAGCTGCCAGTGAGAGGGCTGAC
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 GTCCTCGCCACCTACCCAGCTCAGATGTGATGGCCTCCAACACGAAACCCCTGAGGCC
 ACCGGGGCAGGACGGCTAGGTTCTCGCCGAAACAGCGGCCCCACCGCCATCCCGAGCT
 GCGCGGGAGGAGCAGAGCCGTAGCTCAGCCAGCTCCAGAGAAGGGCCGAGGCCCTTGACC
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 GATGTGGCTGGGGACGGTGACACACTGGGCTCCTCGGAGCCTGCCACAGCGCCTCCCTC
 AGCAACATGCCAGCACCCCGCCTCGACCATCTCTGCCCGGAGGAGCTGGTGACGCG
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 TTTGACCAAGAATGAACGACAGCTGTGAGGACGCCCTGGCCAACAAGACGCGGCTCGG
 AACCGAGAGGAGGTGATCTTCGATAACCTGATGCTGAACCCGGTGTCCAGCTGTGCGAG
 GCCATCCGTGAGAACACAGAGCACCTTGCCGAGAAGATGAAGATCCTCTTTCAGAACACA
 GGGAGAGCTTGGGAGGACCTGGAAGCCAGGATCAACGCCGAGAAGAGGTGCCATCCTG
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 CTGGAAGTTATCAATGCCATCGTGAGCCCAAGTGGGAGCCTGGACCTGCTCACAGGAAAC
 AGGAGCTTGGCCAGCTCTGCACAGCCGGGGCTGGGGAAGGGCCGCTGGCTGCCAGAGC
 CCACCCTACCCGCTCAGCCGAGGCCCTGCTGCCAGCCCTGCCCTGAGGAATTTCCA
 CAGCGGGCCAGCTGTGGGCTCCAGCCTCCCGACCCACCTTCTCCCTGATGCCGAG
 AGGTTCTGATCTAG

Restriction Sites:

Please inquire

ACCN:

NM_015005

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_015005.1, NP_055820.1</u>
RefSeq Size:	6568 bp
RefSeq ORF:	4455 bp
Locus ID:	283638
UniProt ID:	<u>Q9Y4F5</u>
Cytogenetics:	14q32.33
Gene Summary:	Plays a role in microtubule organization.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding sequence, uses a downstream start codon, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.