

Product datasheet for **SC111296**

FAM190B (CCSER2) (NM_018999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	FAM190B
Synonyms:	bA486O22.1; FAM190B; Gcap14; KIAA1128
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018999, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAAAAACACAAATCAAGACATTTTGGGTTCCAAGTTGCCAAAGTATGGAACAAATCTGTAA
GAAGTACATTGCAGCCAATGCCAAATGGGACACCTGTTAATTTATTAGGAACCTCCAAGAATAGTAATGT
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AAATATCAGCTTTGTGCACAAGGTGTGCAAGAGCCTAACAATACTCAAAATTCACATGATAAAAATAATTG
ATCCTGAAAAACGTGTTCTCACTCAAGGAATGTTTGATAAAAATGGGATAAAGGGAGGTTTAAAAAGTGT
TTCTTTATTCACATCAAAAGTTAGCAAAAGCCATCCACTATGTTTGTGTCTACAGAGGAGTTAAACCAA
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GCCTAGAGCGAACTCCTGTGCCACCAGAAGCAGTTCTGGAGAAAGCTTAGCTCAATCCCCAGACAGTAGT
AAATCTATTAATTGTGAAAAAATGGTAAGGTCAAAAAGTTTTTACATTCCATTGAGAATTCATTCTTC
CACCTTCATCTATAACCAGATCACATTCTTTAATAGAGCTGTGGATCTTACAAAGCCTTATCAGAACCA
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AATGGGAATGAACATTTGGGGTATGGATTTAATAGGCCTTATGCTGCTGGTGGAAAGAAGTTGGCTTTAC
CAATGGCCAGGTGTAACCTTCTACTTTAGGTTATAGAATGGTTCATCCCTCTCTACTGAAATCTAGCCG
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GATGCTACAGTTTTTGGCTAAGGACAGAGCTGCTAATAAGGACCAAGAACTGATTGAAAATGAAAGTTATA
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CATAGATATTTTGAATAATCTTGAATCATGTGACCTTGAGGATGATGATCTTATGCTTGATGTGGATCTG
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CCTTTGGGTCAATTTGAAAGCTATGGAGGGATGCCCTTTTCCAGGCTCAGAAGATGTTTGTGTGATGAC
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CAGATCACACCCAGGGAAAACTAATAAGCCACAACGTATCGAGGCCCGCAGTGA
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5' Read Nucleotide
Sequence:

>OriGene 5' read for NM_018999 unedited
 NGGGGTTCCCATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCTTTAA
 TAGAGCTGTGGATCTTACAAAGCCTTATCAGAACCAACAGCTATCCATTAGAGTGCCTCT
 ACGGTCAAGTATGCTAACAAGAAATCCCGGCAGCCAGAACTCAATGGGAATGAACA
 TTTGGGGTATGGATTTAATAGGCCTTATGCTGCTGGTGGAAAGAAGTTGGCTTTACCAA
 TGGCCAGGTGTAACCTTCTACTTTAGGTTATAGAATGGTTCATCCCTCTCTACTGAAATC
 TAGCCGATCTCCATTTCTGGGACTATGACAGTTGATGGAAATAAAATTCACCTGCTGA
 CACATGTGTAGAGGAAGATGCTACAGTTTTGGCTAAGGACAGAGCTGCTAATAAGGACCA
 AGAACTGATTGAAATGAAAGTTATAGAACAAAAACAACAGACCATGAAACATGATGC
 TAAATGAGATACCTGAGTGATGATGTGGATGACATTTCTTGTGCTCTTTGTCATCTTC
 TGATAAGAATGATTTAAGTGAAGACTTTAGTGATGATTTTATAGATATAGAAGACTCCAA
 CAGAACTAGAATAACTCCAGAGGAAATGTCTCTCAAAGAAGAGAAACATGAAATGGGCC
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 GGATAGATATAAGTGTCTCTGACAGGAGTGAATGTACAAACATACTTCTGGGAAATATT
 TGGTTTCACCAGATACAGACTACAGAGCTGGTTCTTCGTTTGAACCTCTCCATCTGATA
 GCTCTGATGGAACATACATGTGGGATGAAGAAGGCTTGNNACCCATNGGAATGTCCATCC
 AGTTGGGACTATGAGTCTCTGAA

3' Read Nucleotide
Sequence:

>OriGene 3' read for NM_018999 unedited
 NGGGGTACAGCTATGNNACCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTAAAAAACCTAATCTCCTTTATTTCATCACAAGCTTTTGC
 ATAAACCTTTTAAATATACAAACACTGGCCAAACCTCTGCTTACAGACTACCATCTTCC
 ATTATCACCATATCTTTAGTTAAATAGTAGCCCTTTTCACAGGAAAAACAAGTAAAAAG
 GGGGGAGGTTCTGACAACCCCAATAAATACCGACCTTAATAGGACTAAACAGCAAAAGCA
 CACTTCTTGCTGCTCAGTAAATATTATGAATTTTCTGACGTGGAGAGGGATGGATAAC
 ATGATTTGGGCCTTTGGCAGGCCTCTGAAATGGGTAAACAACTTTCGTGTTTACCTGAA
 ATAATTATGCTCAAATGGCATGTCCTTACCCAGGATATAAATGAAGGAGCCAACTAG
 TAGAAGCTTCCACATTTTAATTTAAATTTGCAGGCTTTCAATGGAACCTCCACCACAGT
 AGCAAGCTGCAAGCTGCACATAAAGCTATTACAAAAAGATTGTTTTTAAAAACAATTT
 GGCAGGTGATGGCTATGTAATAAGTATCTTTGGTTTAGGAAGACGAAAAATATCGATTA
 AAGGCCAAACAATCCCAGAATGCAAAATGCCATTTGGATTCTGCATGATTTCTTTTCGT
 TGTGTTAGAGGCCTTGGGATGCTTGTCTTGGCCTGGAACCTTTGAAGCTCTNNTTGGGGC
 TGTGTTGTTGTTTTGTTTGAAGACCCTGAGGGGGGCGGAGCTANATGCTTCCAAATT
 CTGATTATTGGCAAAATTTGTTTACTAGAAAGTTGGCTGAAGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_018999

Insert Size:

3000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018999.1, NP_061872.1</u>
RefSeq Size:	7760 bp
RefSeq ORF:	1701 bp
Locus ID:	54462
UniProt ID:	<u>Q9H7U1</u>
Cytogenetics:	10q23.1
Protein Families:	Druggable Genome
Gene Summary:	Microtubule-binding protein which might play a role in microtubule bundling. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus, compared to 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.