

Product datasheet for **SC318314**

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 Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC318314 representing NM_018999.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGAAAAACACAAATCAAGACATTTTGGGTTCCAAGTTGCCAAAGTATGGAACAAATCTGTA
AGAAGTACATTGCAGCCAATGCCAAATGGGACACCTGTTAATTTATTAGGAACCTCCAAGAATAGTAAT
GTCAAAGTTACATCAAAAATAATGGCTCTGATTGTCCATCATCTCATTATTTAATGGAGGAAAAGCA
AATAAATATCAGCTTTGTGCACAAGGTGTCGAAGAGCCTAACAACTACTCAAAATTCACATGATAAAATA
ATTGATCCTGAAAAACGTGTTCTACTCAAGGAATGTTTGATAAAAAATGGGATAAAGGGAGGTTTGAAA
AGTGTTTCTTTATTCACATCAAAGTTAGCAAAGCCATCCACTATGTTTGTGTCATCTACAGAGGAGTTA
AACCAAAAGTCTTTTCTGGACCATCTAATTTGGGTAAATTCACCAAGGCACATTATTAGGAAGGACT
TCATATTCTTCGATCAATACTCCAATAACAGTTGAATGGATTTTATGAAACCGATCAGCTGGTAGC
ATGCAAAGGCTAGAGCGAACTCCTGTGCCACCAGAAGCAGTTCTGGAGAAAGCTTAGCTCAATCCCCA
GACAGTAGTAAATCTATTAATGTGAAAAATGGTAAGGTCACAAAGTTTTTCACATTCCATTGAGAAT
TCATTCTTCACCTTCATCTATAACCAGATCACATTCTTTAATAGAGCTGTGGATCTTACAAAGCCT
TATCAGAACCAACAGCTATCCATTAGAGTGCCTCTACGGTCAAGTATGCTAACAAAGAAATCCCGGCAG
CCAGAAGTACTCAATGGGAATGAACATTTGGGGTATGGATTTAATAGGCCTTATGCTGCTGGTGAAAG
AAGTTGGCTTTACCAATGGCCAGGTGTAATCTACTTTAGGTTATAGAATGGTTATCCCTCTCTA
CTGAAATCTAGCCGATCTCCATTTTCTGGGACTATGACAGTTGATGGAAATAAAAAATTCACCTGCTGAC
ACATGTGTAGAGGAAGATGCTACAGTTTGGCTAAGGACAGAGCTGCTAATAAGGACCAAGAACTGATT
GAAAAAGAAAGTTATAGAACAAAAACAACAGACCATGAAACATGATGCTAAAATGAGATACCTGAGT
GATGATGTGGATGACATTTCTTGTGCTTTTGTGCTCTTCTGATAAGAATGATTTAAGTGAAGACTTT
AGTGATGATTTTATAGATATAGAAGACTCCAACAGAACTAGAATAACTCCAGAGGAAATGTCTCTCAA
GAAGAGAAACATGAAAAATGGGCCACCACAGGATATGTTTGATTCCCCCAAGGAAATGAAAAAGCCTTC
AGTAAACTGATGAATGGATAGATATAAGTGTCTCTGACAGAGTGAAATGTACAAAACATACTTCTGGG
AATAATTTGGTTTACCAGATACAGACTACAGAGCTGGTCTTCTGTTTGAATCTCTCCATCTGATAGC
TCTGATGGAAACATACATGTGGGATGAAGAAGGCTTGGAAACCATGGAAATGTCCATCCAGTTGGGAGC
TATGAGTCTCTGAAATGAACAGCATAGATATTTGAATAATCTTGAATCATGTGACCTTGAGGATGAT
GATCTTATGCTTGATGTGGATCTGCCTGAGGATGCACCTCTTGAATGTGGAGTGTGACAAATGAAC
CGCTTTGACCGACCAGACAGAAATGTTGGCAGCCTCAGGAAGGTTTTTGGAAAAGGCCACCCAGAGG
TGGAGTGGACAGGAGCATTACCACCTCAGCCACCCTGACCACTATCATCACCATGGAAAAAGTGACTTG
AGCAGAGGCTCTCCTATAGAGAATCTCCTTTGGGTCAATTTGAAAGCTATGGAGGGATGCCTTTTTTC
CAGGCTCAGAAGATGTTTGTGATGTACCAGAAAAACAGTGATGACTGGATGAGATGACCTTCGGCAC
ATGGTTCAGGATTGCACTGCTGTAAAACTCAGTTACTCAAACGAAACGTCTCCTGCATCAGCATGAT
GGAAGTGGTTCATTGCATGATATTCAACTGTCATTGCCATCCAGTCCAGAACCAAGATGGTGATAAA
GTATATAAGAATGAAGATTTATTAATGAAATAAAACAACCTAAAGACGAAATAAAGAAAAAGATGAA
AAGATCCAATATTAGAACTTCAGCTTGAACCTCAGCATATCTGCCACCAAAATGTAAAGAGGAAAAA
TGCATTTATGCTGATAAATATACCCAAACACCTGGAGACGAATTCCTGGTGGGATTTCTGCTCCCTCC
TTCTCTCCTTGGCAGGGCTCCTTCCAGGGATCCACGGAATGTTCCACCGCACCGCAGACAGACCTCA
AGTACTACAGCCTTCCAGCAGCTTCCAGACCCACAGATCACACCCAGGAAAACTAATAAAGCCACA
ACGTATCGAGGCCCGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_018999

Insert Size:

2505 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_018999.3</u>
RefSeq Size:	7760 bp
RefSeq ORF:	2505 bp
Locus ID:	54462
UniProt ID:	<u>Q9H7U1</u>
Cytogenetics:	10q23.1
Protein Families:	Druggable Genome
MW:	93.5 kDa
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.