

Product datasheet for SC301495

FAM83B (NM_001010872) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM83B (NM_001010872) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM83B
Synonyms:	C6orf143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301495 representing NM_001010872. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACCTCATCAATGCTTTCTCATTGAATGATGAGTGATAAATCTGACAACCTACATTGAGCCTCAC
TACAAGGAATGGTATCGAGTAGCCATTGATATTCTGATTGAACACGGGTTAGAAGCATACCAAGAATTT
CTTGTCAGGAACGAGTTTCAGACTTTCTTGCTGAGGAAGAAATTAATTATTTTGAAAAATGTCCAG
AAAGTTGCACAAAGCACAGCACATGGTACTGATGATTCTGTGATGATACCTTATCTTCAGGGACCTAC
TGGCCTGTTGAGTCTGATGTGGAAGCTCCAAATCTTGACTTAGGCTGGCCATATGTGATGCCCGGACTC
TTAGGGGGCACCATATAGATCTCCTTTTCATCCACCAAGAGCACATCTACTTACGATAAAAGAACT
ATTCGGAAGATGATAAAAGAAGCAAGAAAGGTCATTGCTTTAGTGATGGATATATTACAGATGTGGAC
ATTTTCAAAGAAATCGTTGAGGCATCAACTCGAGGAGTATCTGTTTACATTCTGCTTGATGAGTCCAAT
TTTAATCATTTTCTAAATATGACTGAGAAACAAGGTTGTTTCAGTTCAGCGTCTCAGGAATATTCGAGTG
CGAACAGTAAAAGGCCAAGATTATCTTTCAAAAACAGGGGCAAAATTCATGGAAAAATGGAACAGAAA
TTTTTGTAGTTGACTGCCAGAAAGTGATGTACGGTCTTACAGTTATATGTGGTCATTTGAGAAAGCT
CACCTCAGCATGGTTCAGATAATTACAGGACAACCTGTTGAGTCCTTTGATGAAGAATTTAGAACTCTC
TATGCCAGATCCTGTGTCCCTAGTTTCATTTGCTCAGGAAGAATCAGCAAGGGTGAAGCATGGAAGGCC
CTCTGGGAAAATGGCACTTACCAGCATTCGGTGTCTTCATTAGCATCTGTTTCCAGCCAGAGAAACCTT
TTTGGTAGACAAGACAAGATTCATAAACTAGATTCCAGTTACTTCAAAAACAGAGGGATATATACTTTA
AATGAACATGACAAATATAACATAAGAAGTCACGGATACAAACCTCATTTTGTTCCTAACTTTAATGGT
CCAAACGCAATACGTCAGTTTCAACCCAATCAGATAAATGAAAATTGAAAAGGCATAGTTATGCTGGG
GAACAGCCAGAAACAGTGCCATACCTCTGCTTAATAGGGCTCTGAATAGAACCAATAATCCACCTGGT
AATTGGAAGAAAGCCATCTGATAGTCTCAGTGTGGCGTCTCATCACGGGAAGGCTATGTAAGCCACCAC
AACACACCTGCCAGAGTTTGGCAATCGGCTTGCGCAGAGAAAAACAACAAATCTTGACAGACGGAAT
TCAAATGTTGCGAGGTCTTTAATGGGACAGATAACCATATCCGCTTTTGAACAACGAATGCCAACCC
CTTGAACATACCACAAAGTCATTCTACGTAACCTGGAGAATTGAATCCTACTTAAATGATCATTAGAA



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GCTACACCGGACTCAAATGGATCAGCTTTAGGTGACCGATTTGAGGGCTATGATAATCCTGAGAATTTG
AAGGCCAATGCCCTTTATACTCATTCTCGGCTTCGTTCTCTTTAGTATTTAAACCCACTTTACCTGAG
CAAAAGGAAGTTAACAGTTGTACAACTGGCTCCTCAAATCAACTATCATTGGTTCTCAGGGAAGTGAG
ACACCTAAAGAGGTCCCAGACACCCCTACGAATGTACAGCATTTGACAGACAAACCCTTGCCAGAATCA
ATCCCCAAGCTCCCATTTGCAGTCAGAGGCACCAAAATGCACACCTTGCAAGTTCTGAAAACCACTCA
GTAGCCTTAAACCAAACTACAAATGGCCATACTGAATCAAATAACTATATATATAAACCTTGGGTGTA
AATAAGCAGACAGAAAACTAAAGAATCAACAGACTGAGAATCTACTTAAAGGCGAAGTTTCCCGTTA
TTTGACAACCTCAAAGCCAACCTTAGATCCTGGAAATAGTAAGCATTATGTATATAGTACACTTACCAGG
AATCGAGTTAGACAACCAAGAAAAGCCCAAGAAAGATTGCTGAAAAGTTCTAAAAGCATGCACAATGTG
ACTCATAACTTGGAGGAGGATGAGGAGGAAGTTACCAAGAGAACTCTCCAAGTGGCACTACTACAAA
TCAGTTTCCATTGCTGCTTTACTTGATGTGAATAAAGAGGAATCTAACAAAGAACTTGCTTCAAAGAAG
GAAGTTAAGGGTTCCTCAAGTTTTTTGAAAAGGGGTCTCAGAAGTTAAGGTCTTACTTAGCCTTACC
CCAGATAAGAAAGAAAATCTATCCAAAAATAAGCACCTGCCTTTTATAGATTGTGTAGTAGCTCTGAC
ACATTAGTTTCTGAGGGTGAAGAAAATCAAAAACCAAGAAATCAGACACAAAAGTTGATTCATCTCCT
AGAAGAAAGCATTCTTCTCATCGAATTCTCAAGGCAGCATCCACAAGAGTAAGGAAGATGAACAGTT
AGCCCATCTCAAGAGATAAATGCTCCACAGATGAAAATAAAGAACACCTTCTCCAGGTCCAGTTGAA
AGCAAGTTCTTGAAAAGGCGAGGAGATGCCTCTGCCCCAAGATTTAACTGAACAGATCCAATACCGA
GATTCAAGGGAGATTAATGCAGTTGTTACCCCTGAAAAGAGACCTACTTCTTCTCCAAGGCCAACGTCC
AGTGAGCTTCTACGATCTCATTCAACTGATCGGCGTGTTCACAGTCGTTTGGAGCCGTTTGTAAAGATT
GAGAGCTCTATTAGCCAAACAGCAACATGCCAAATACCAAGTATAAATCGCCAGAAATAAAATCTGCG
ACTATGGGCAACAGTTATGGCAGGTCTAGTCCATTGCTTAATTACAACACTGGTGTTCATCGTCCATAT
CAACCAATGAGAACAGTTTCGAGGATTTATGCAAAAGTTTGAAAACCTTATACAAAAATAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001010872

Insert Size:

3036 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [NM_001010872.2](#)

RefSeq Size: 6269 bp

RefSeq ORF: 3036 bp

Locus ID: 222584

UniProt ID: [Q5T0W9](#)

Cytogenetics: 6p12.1

MW: 114.8 kDa

Gene Summary: Probable proto-oncogene that functions in the epidermal growth factor receptor/EGFR signaling pathway. May activate both the EGFR itself and downstream RAS/MAPK and PI3K/AKT/TOR signaling cascades.[UniProtKB/Swiss-Prot Function]