

Product datasheet for **SC320519**

FAM83A (NM_032899) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM83A (NM_032899) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM83A
Synonyms:	BJ-TSA-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_032899.4
 CTGCGGCTGGGAGGAGAGAAATATCCCATGGCTGACTGTGCCAAGGAGGTGTCTGAGCC
 AGCCCTCCCGGCCGAGGGCAGGGCAGGTGGCCCTGAGAGATAAGCCAATCCCGCAGCTG
 CAGATGAGGAGTTCTGAGAAGCATTGCTCAGGACAGCGGTAATCACTTCTTGGAGGTGC
 CCTGCACGCCGGTCTGGGAGCAGGCGGCCCTCCGGGGGTGCGGGAGCCCACTCCTCCG
 TGGTGTGTCCATTTGCTTCCACATCTGGAGGAGCTGACGTGCCAGCCTCCCCAGCAC
 CACCCAGGGACGGGAGGCATGAGCCGGTCAAGGCACCTGGGCAAAATCCGGAAGCGTCTG
 GAAGATGTCAAGAGCCAGTGGGTCCGGCCAGCCAGGGCTGACTTTAGTGACAACGAGAGT
 GCCCGGCTGGCCACGGACGCCCTCTTGGATGGGGTTCTGAAGCCTACTGGCGGGTGTCT
 AGCCAGGAAGGCGAGGTGGACTTCTTGTCTCGGTGGAGGCCAGTACATCCAGGCCAG
 GCCAGGGAGCCCGTGTCCCCAGACACCCTGGGAGGGGCGGAAGCAGGCCCTAAGGGA
 CTGGACTCCAGCTCCCTACAGTCCGGCACCTACTTCCCTGTGCCCTCAGAGGGCAGCGAG
 CCGGCCCTACTGCACAGCTGGGCCTCAGCTGAGAAGCCCTACCTGAAGGAAAAATCCAGC
 GCCACTGTGACTTCCAGACCGTCAAGCACAACAACATCAGAGACCTCGTCCGCCGTGC
 ATCACCCGGACTAGCCAGGTCTGGTCACTCTGATGGATGTGTTACGGATGTGGAGATC
 TTCTGTGACATTCTAGAGGCAGCCAACAAGCGTGGGGTGTTCGTTTGTGTGCTCCTGGAC
 CAGGGAGGTGTGAAGCTCTTCCAGGAGATGTGTGACAAAGTCCAGATCTCTGACAGTCAC
 CTCAAGAACATTTCCATCCGGAGTGTGGAAGGAGAGATATACTGTGCAAGTCAGGCAGG
 AAATTCGCTGGCCAAATCCGGGAGAAGTTCATCATCTCGGACTGGAGATTTGTCTGTCT
 GGATCTTACAGCTTACCTGGCTCTGCGGACACGTGCACCGGAACATCCTCTCCAAGTTC
 ACAGGCCAGGCGGTGGAGCTGTTTGACGAGGAGTTCGCCACCTTACGCCTCCTCCAAG
 CCTGTGATGGCCCTGAAGTCCCCGGCTGGTCCGCCCGTCCCGCCGGAGCAGCCCCG
 GCCAATGGCCGCTTACGACAGCAGTGGCTCCGCCAGTGACCCGACGTCTCCAAACCC
 TTCAGCGGCCGCTCGGCAGGCAGCCACCCGGTACCCGAAGTGTGTCGGGTCTTCAGGG
 CCCTGTAGCCCCGCGCCACACCCGCCCTCACCCGCCCGTTCAGCCCCACCAGGC
 CCTTGGGAGCCCGAGTCCCCAGGCCACCTCTCCCGCGGCCACGACGGCCCGCC
 GCCGCTGTCTACAGAACCTGGGGCCTACAGGCCACGCGGCTGCAGCTGGAGCAGCTG
 GGCCTGGTCCGAGGCTGACTCCAACCTGGAGGCCCTTCTGCAGGCCTCCCCTCACTTC
 TGAAGGTCCCATCCCCTGCTGCCCTCCGACGGCCAGGGCTGGGCACTCCCTGAGACCA
 AAGACCCACTCAACGACGAGTGGCGTTGAGCCACTTCCCTTTGAAAAGACTCAAAT
 CACTGCCATGGTTCAATGTTCCAGGCCAGGCCATCCACTTGGCGGCCCCACCAGTT
 CTTGGGTTCCCCGCTCTAGTTTGACCTGTGCAGCACATCCAGAAGGTTCCAGGGAGGTT
 GTGGGGCAGCTAGAGGACAAAATCATGAAAACAGAGTCCCTGTCTTCCAGAGATCATCCG
 GGGCTTTAATATTAATGGCCCCAAAATCCGTAAAGACAGGAAATGCAGCCCAAGTTT
 TACAAATGGGTAACAGAGGCACTGAGAGATAGATGGTAGTTTGGTACTTCTGGTTCCCA
 GTGCCCAGGAATGGTCCACTCCCAAGAAATTCAGGAAAGAAAGACTGAGGAGAAGGTGTG
 GGAACATTTCTGGATGTTTCGGGAGAGTTGGGAAACTCCTCCTTAGGAAAGGCTAATA
 CTAGGGTATCCTTGGGCCAATGAATTAGGGGTGAGGCCCCAGAACCCTTATCTATGAG
 TTGTATGGGGGAGCCATCTGAAGCTGTAGCCACCAGGGATGCAGCTAGCTGAGGAGTTTG
 GGGTGTGGGTTGGACAAGGCAGTTAGTAGACTCAGATTCTTGCTTCAAAGAGCCTTGG
 GCTGGCCTGGAGGTCCCTGGAGTCTAGACTGGACCTAGGAGCTTGAAGTGTGAGGGGCCA
 GGACTGGCCCACTGCAGTGCCAGGCCAGTCTTGAAGCAGAGGGAGGGCTCAGCTGTCC
 CCAGATCCAGGTGCCTCTGACCAGCCTGGTCACTCCTGAGGAATAAATGCTGAACCTCA
 CAAGCCCCATCATTCTTCTCAATTCACAGTGCCCTCTTTGTTTCTGGGGTGGAA
 CTAGGTCCTGAGGGCACAGCCTAGCTGAGTGCAAAGAAATATAGGATGCTTAGAAAGCAT
 ACAGGAGGGGCCAGGCGTGGTGGCTCATGCCTGTAATCCAGAACTTTGGGATGCCAAGG
 TGTTGGATTACCTGAGATCAGGTGGATTACCTGGTCTCGAGACCAGCCTGACCAATATG
 GTGAAACCCCGTCTACTAAAAATACAAAAATTAGGCTGAGACAGGAGAATTGCTTGAA
 CCCAGGAAGCAGAGGTTGCAATGAGCTGAGATTGCATCACTGCACTCCAGCATGGGCAAC
 AAAGCAAGACTCCGTCACAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_032899
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:	<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:	NM_032899.4 , NP_116288.2
RefSeq Size:	2946 bp
RefSeq ORF:	1305 bp
Locus ID:	84985
UniProt ID:	Q86UY5
Cytogenetics:	8q24.13
Gene Summary:	<p>Probable proto-oncogene that functions in the epidermal growth factor receptor/EGFR signaling pathway. Activates both RAS/MAPK and PI3K/AKT/TOR signaling cascades downstream of EGFR. Required for the RAS/MAPK signaling cascade activation upon EGFR stimulation, it also activates both signaling cascades independently of EGFR activation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). 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.</p>