

Product datasheet for **SC335147**

FAM83A (NM_001288587) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM83A (NM_001288587) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM83A
Synonyms:	BJ-TSA-9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001288587, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCGGTCAAGGCACCTGGGCAAAATCCGGAAGCGTCTGGAAGATGTCAAGAGCCAGTGGGTCCGGC
CAGCCAGGGCTGACTTTAGTGACAACGAGAGTGCCCGGCTGGCCACGGACGCCCTCTGGATGGGGTTCC
TGAAGCCTACTGGCGGTGCTCAGCCAGGAAGGCGAGGTGGACTTCTTGTCTCGGTGGAGGCCAGTAC
ATCCAGGCCAGGCCAGGGAGCCCCGTGTCCCCAGACACCCTGGGAGGGGCGGAAGCAGGCCCTAAGG
GACTGGACTCCAGCTCCCTACAGTCCGGCACCTACTTCCCTGTGGCCTCAGAGGGCAGCGAGCCGGCCCT
ACTGCACAGCTGGGCCTCAGCTGAGAAGCCCTACCTGAAGGAAAAATCCAGCGCCACTGTGTACTCCAG
ACCGTCAAGCACAACAACATCAGAGACCTCGTCCGCCGCTGCATCACCCGGACTAGCCAGAACATTTCCA
TCCGGAGTGTGGAAGGAGAGATATACTGTGCCAAGTCAGGCAGGAAATTCGCTGGCCAAATCCGGGAGAA
GTTTCATCATCTCGGACTGGAGATTTGCTCTGTCTGGATCTTACAGCTTACCTGGCTCTGCGGACACGTG
CACCGGAACATCCTCTCCAAGTTCACAGGCCAGGCGGTGGAGCTGTTTGACGAGGAGTTCGCCACCTCT
ACGCTCCTCCAAGCCTGTGATGGGCCTGAAGTCCCCGCGGCTGGTCGCCCCCGTCCCCCGGAGCAGC
CCCGCCAATGGCCGCTTAGCAGCAGCAGTGGCTCCGCCAGTGACCGCAGCTCTCAACCCCTTCAGC
GGCCGCTCGGCAGGCAGCCACCCCGGTACCCGAAGTACCGCTGA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001288587
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).



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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:	<u>NM_001288587.2, NP_001275516.1</u>
RefSeq Size:	1948 bp
RefSeq ORF:	885 bp
Locus ID:	84985
UniProt ID:	<u>Q86UY5</u>
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 (3) differs in the 5' UTR, lacks an alternate in-frame exon in the 5' coding region and uses an alternate 3' exon structure, compared to variant 1. It encodes isoform c, which is shorter and has a distinct C-terminus, compared to isoform a.</p>