

Product datasheet for **SC314849**

FAM59A (GAREM1) (NM_022751) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM59A (GAREM1) (NM_022751) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM59A
Synonyms:	C18orf11; FAM59A; GAREM; Gm944
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_022751 edited

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CGGGACAGGAGGCTTCGGGGAAGATGGACCCGGCGCCCTCGCTGGGCTGCAGCCTCAAGG
ATGTGAAGTGGAGCTCGGTGGCCGTGCCGCTCGACCTCCTGGTCAGCACTTACCGGCTGC
CCCAGATCGCGCGCCTGGACAACGGAGAGTGCCTAGAAGGGCTGCGGGAAAATGACTATC
TGCTGATTCATTCTGCCCCAGTGGACCACCATCACTGCCACAGCTTGGAGGAGGGTC
ACTATGTCATTGGGCCAAAGATAGAGATTCCGGTACATTATGCAGGGCAATTCAAGCTGC
TGGAACAAGACCGAGATATAAAGGAGCCAGTGAATATTTCAACAGTGTGGAGGAGGTGG
CTAAGGCATTTCTGAAACGCGTGTACGTATGGAGGATATCACATTCAACGTGAAGGTTG
CTTCAGGTGAATGCAATGAAGACACTGAAGTTTACAACATCACCTGTGTACTGGGGATG
AACTCACTCTAATGGGGCAGGCAGAAATCCTTTATGCAAAGACATTCAAGGAAAAGTCAC
GACTCAACACAATCTTCAAAAAGATTGGGAAGCTCAATTCATCAGCAAGCTGGGAAAAG
GCAAAATGCCGTGCCTCATTTGTATGAATCACCGGACCAACGAAAGCATTAGCCTTCAT
TCCAGTGAAGGGCAGATTTAGCACCCGAAGTCCCCTGGAACCTCAGATGCAAGAGGGCG
AACACACCATCCGCAACATTGTGGAGAAAACAGGCTTCTGTGAATGTGACTGTGCCAA
GCCCTCCACCGAGAAACCCATACGACCTCCACTTCATCCGTGAGGGGCACCGCTATAAGT
TTGTGAACATCCAGACCAAGACGGTGGTGGTTTGTGTGTGTGCTGCGGAACAACAAGATCC
TCCCCATGCACTTTCCTTTGCACTTGACTGTCCCCAAGTTCAGCCTCCCAGAACACCTGG
TGAAGGGAGAGAGCTGGCCCGAAACCCTGGTCCATCACTGGCTAGGTATCTGCCAAGAAC
AGTTTCGACATCGATGAGTATTCACGGGCTGTCCGTGATGTGAAAACCGACTGGAATGAAG
AATGCAAGAGCCCAAGAAGGGTCGGTGTCTTGCCACAACACAGTGCCTCAATTCGCTCA
GCTACGCCCCGCGATGAGCTCACCCAGTCTTCCACCGACTCTCGGTCTGTGTGTATGGCA
ACAATCTCCATGGCAACAGTGAAGTGAACCTTCATGGTTGCAGGGACCTGGGGGAGATT
GGGCTCCCTTTCTCATGACATCCTGCCCTATCAGGACTCTGGAGATAGTGGGAGCGACT
ACCTTTTCCAGAAAGCTAGTGAAGAATCAGCAGGCATCCCGGAAAGTCAGAACTTCCCT
ACGAAGAGCTGTGGCTGGAGGAAGGCAAGCCAGCCATCAGCCTCTCACTCGCTCTCTGA
GCGAGAAGAACAGATGTGATCAGTTTAGAGTTCTGTCCGATCCAAATGTGCGACTTCTC
CTCTTCCCATCCCTGGGACTCTGGGAGCAGCAGTGAAGTCTTCAGATACTGCCCTACCTC
CACCTCCAGTGCCTCCCAAATCTGAAGCCGTGAGAGAAGAATGCCGGCTCCTGAACGCC
CACCTGTTCACCCCGAAGCGCAAAGCCTTTGTCCACAGTCCCTCCATCCCTCCTCGCA
CAGTCAAGCCAGCGCGGCAACAGACTCGCTCTCCAGCCCCACCTTGCTCTACTATTCTT
CAGGGCTACACAACATCAGCGTCACTAAACTGACACAAATCCTTCTGAAAGCACTCCTG
TTTCTGTATCCATGTAACCGAGTGAAACTGATTCTGTGGACCTGAAATCCCCGTTTG
GAAGTCCTTCTGTGAAGCTGTGCTCTCGGCTCTCATGGCCTAACATTATTCAGGAG
CATCAGAAAGCCAGACCAGGAGTGACTTCTGTGGATCCAAGCAGGAGTTATAGTTACC
CTAGACAAAAGAGCCAGGCACACCAAGAGAAACTGCCAGCACCTTTTGATTTTGATG
GCTGTGAGCTCCTGGCCAGCCCCACTAGCCAGTCACTGCAGAATTCAAGTAGCAGCGTCT
CTGGTTGTCCCAAGTCAGCCAGTACTCTCTGGAGAGCACAGATGTGAAATCTCTTGCA
GTGGTGTGACAAAGCAGAGTACGTATGCCCTGCCTTACCCCCAGGGCTCCAAAAGTAG
TGGAAGAGAAGGTCGCTCCGAAACATCTCCTTTGCCTCTGAAAATTGATGGTGTGAGG
AAGACCCCAAGTCTGGGTACCCAGATCTCTCGGAGGACCAAGTATTTGTTAAAAAGGGCA
TGCAGGACATCTTCTCTGCCTCTACCCTTTCTCATCTCCGCTCCATCTCCAGCTGGCCC
CCAGATCCTGTGGCGACGGTTCCCCATGGCAGCCACCTGCTGACCTATCAGGACTCTCTA
TAGAGGAAGTGTCCAAGTCACTACGGTTTATTGGTTTGTCCGAAGATGTCATATCATTCT
TTGTTACTGAAAAGATTGATGGGAACCTGCTTGTTCAGCTAACGGAAGAAATCCTCTCAG
AGGATTTCAAATTGAGCAAATTGCAGGTGAAGAAGATAATGCAATTCATTAATGGCTGGA
GGCCCAAAATATAGCCAAATAACCCCGGCCAGCATGGAACAAAAGTATCAATGCGTGT
GCTAGAAGGGTGGG

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Restriction Sites: Please inquire

ACCN: NM_022751

Insert Size: 2700 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:	The ORF of this clone has been fully sequenced and found to contain 3bp insertion compared with NM_022751.1.
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_022751.1 , NP_073588.1
RefSeq Size:	3055 bp
RefSeq ORF:	2628 bp
Locus ID:	64762
UniProt ID:	Q9H706
Cytogenetics:	18q12.1
Gene Summary:	This gene encodes an adaptor protein which functions in the epidermal growth factor (EGF) receptor-mediated signaling pathway. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011] Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site at the 3' terminal exon compared to variant 1. This results in an isoform (2) that is 1 aa shorter than 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.