

Product datasheet for **SC329191**

FAM59B (GAREM2) (NM_001168241) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM59B (GAREM2) (NM_001168241) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM59B
Synonyms:	FAM59B; GAREML
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001168241 edited
 ATGGAGAAGCTGGCGCCGGGCTGGCCGGCCTGCGCTGGAGCATGGGCGCCTTCCCCTC
 GACCTCATCGTACGCCGCTGCCGCTGCCACGCTCGCTGCCTTGGGCCAGGGGAGTAC
 GCCGAGGGCGTCAGTGAGCGAGACATCTGCTCATCCACTCTGCCGGCAGTGGACAACG
 GTGACAGCTCATACCCTGGAGGAGGGCCACTATGTCATCGGGCCAAGATCGACATCCCC
 CTGCAGTACCCAGGGAAGTTCAAGCTCCTGGAACAGGCCCGGGATGTGCGGGAGCCAGTG
 AGGTACTTCAGCAGCGTGGAGGAGGTGGCCAGTGTCTTCCCTGACCGCATCTTCGTGATG
 GAAGCCATCACCTTCAGCGTCAAGGTGGTGTGCGGCGAGTTCAGCGAGGACAGCGAGGTG
 TACAACCTTCACGCTGCATGCGGGCGACGAGCTCACTCTTATGGGCCAGGCGGAGATCCTG
 TGCGCCAAGACCACCAAGGAGCGCTCGCGCTTACCACCCTCCTGCGAAAGCTGGGCCGG
 GCCGGGGCGTGGCCGGGTGGGCGGGCGGCCAGCGAGCGGGGGCCGCGGGAGGC
 ACTGGCGGGGGGCCAGGCCGGTCAAAGGCAAGATGCCCTGCCTCATCTGCATGAAC
 CACCGCACCAACAAAGCCTGAGCCTGCCCTTTCAGTCCAGGGCCGCTTCACTACTCGC
 AGCCCGCTGGAGTGCAGATGCAAGAGGGCGAGCACACGGTGCAGCCATCATCGAGCGC
 GTGAGGCTGCCGGTGAAGTGTGGTGCCAGCCGGCCGCGCGCAACCCCTACGACCTG
 CACCCGGTGCGGGAGGGTATTGCTACAAGCTGTTAGCATCATCTCAAAGACGGTGGTG
 CTGGGGCTGGCGCTGCGCCGCGAGGGCCCGCGCCGCTGCACTTCTGCTGCTACCGGAC
 ACGCCGCGCTTCGCGCTGCCGAGGGCCTGCTGGCCGGGACCCGCGCTCGAGCGCCTG
 GTGCGCGACAGCGCTCTACTGCCGAGCGCTTCGACCCGACGAGTACTCCACGGCC
 GTGCGGAGGGCGCCAGCGGAGCTCGCCGAAGACTGCGCCAGCCCGCGCCGCGCGCCTC
 TGCTGCCCGCGCCGCGCCCGGGCTCGCCCGCGCCCGGGCCGCTAGCGCCGGT
 CCCGCCGGCGAGGGCGACAGGAGTACGTGAGCCCGACTGGGCAGCCGCGCCCGAGCCC
 CCGCGCCGCGCCCGGAGATCCCCTACGAGGAGTTGTGGGCGCACAGGGGCCCGAGGGC
 CTGCTCCGGCCGCCCCAGGGCTCGATCTCATCTCCTTCGGGGCCGCGGACCCCGCT
 CGGGAGCCGGAAGCGCCCGCCTCCAGTCCCTCCAAATCCGAGGCGGTGAAGGAGGAG
 TGCCGCTGCTCAATGCCCTCCAGTGCCTCCCCGGGGTGGCAATGGCAGCGCCGGCTC
 TCCAGCAGCCCCCGGTTCCCCCTCGTTCCTCCAAAGCTGCAGCCGGTACATTCCCCCAGC
 TCCAGCCTCTCTACTACTCCTCTGGCCTCCAGGATGGGGCGGGTTCCTCGAGTGGCAGT
 GGCTCCCCATCGCCGACACCTACTCCCTATTGCTACCCATGCACCTGGGGAGACTGC
 AAGGTGGGCGAGTCTCTAGCCGCCAGCCCCGGTCCCCTACCCTCAACCACACAGCCC
 AGCCAGGCTCCCGGGCCCTCACAGAGCCTCTGAGCGGTGAGCGCCTCCCTTCTGGGG
 GCTGACACCCCTGTTAAGACCTACCACAGCTGCCCTCCTATTCAAGCCCTCACATCCC
 CAGAAGCGCTTTGCTCCGTTTGGAGCTCTCAACCTTTTTCCGGGCTGCCTACCCTCA
 GGCCCTTCAGCGGCTTGTCTTCTGGGCCAGAACACCTCGGGTCTGTGGTACCTCT
 GGCCCTGCGTATCCCCAGGCCAGCCTCGCCAGGCCAGGCTATTAGCTGCTCCCCC
 TCCTCTGCGCCCTCTCTCTCTTCTTCTGAATGGCAGGAACAGTCTGGAGCCC
 TTCGATCCCTTTGAGCTGGGGCAGGGCAGTTCTCCAGAGCCTGAGCTGCTGCGTTCTCAG
 GAGCCCAGAGCAGTGGGACACCTGGGCCTGGACCCCGCTTTCACCACTTGGCCCTCC
 AAGGCCTTTGAGCCTGAAGTTTGGTGTGCAACCAGGTCCCACCCACTGTCACCAGCT
 GCTCTGCAGGGACCCGAGGCGGGAGGAGCACTTTTCTAACCCAAGGGCGCTGGAAGGG
 CCTCTGCCAGTCCCGGGATGGAGCCACAGGCTTTGGAGTCCGAGATGCCTCCTCTGG
 CAGCCCCCTGCTGACCTGTGCACTCTCCCTGGAGGAGGTCTCTCGAGTCTGCGTTTC
 ATCGGGCTCTCAGAGGATGTGGTGGAGCTTCTTGGCCGAGAACGCATCGATGGTAGCATC
 TTTGTGACAGTCACTGAGGACATCTGGCAGATGACTTCCACCTACCAAGCTGCAGGTC
 AAGAAGATCATGCAGTTCATCAAAGCTGGAGGCCAAGATCTGA

Restriction Sites: Please inquire
ACCN: NM_001168241
Insert Size: 2600 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:	<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_001168241.1</u> , <u>NP_001161713.1</u>
RefSeq Size:	4173 bp
RefSeq ORF:	2625 bp
Locus ID:	150946
UniProt ID:	<u>Q75VX8</u>
Cytogenetics:	2p23.3
Gene Summary:	<p>Probable adapter protein that may provide a link between cell surface epidermal growth factor receptor and the MAPK/ERK signaling pathway.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).</p>