

Product datasheet for **SC115066**

FAM162A (NM_014367) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM162A (NM_014367) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM162A
Synonyms:	C3orf28; E2IG5; HGTD-P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115066 sequence for NM_014367 edited (data generated by NextGen Sequencing)

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ATGGGGAGCCTCAGCGGTCTGCGCTGGCAGCAGGAAGCTGTTTTAGGTTATGTGAAAGA  
GATGTTTTCTCATCTCTAAGGCTTACCAGAAGCTCTGATTTGAAGAGAATAAATGGATTT  
TGCACAAAACCACAGGAAAGTCCCAGGAGCTCCATCCCGCACTTACAACAGAGTGCCTTTA  
CACAAACCTACGGATTGGCAGAAAAAGATCCTCATATGGTCAGGTCGCTTCAAAAAGGAA  
GATGAAATCCCAGAGACTGTCTCGTTGGAGATGCTTGATGCTGCAAGAACAAGATGCGA  
GTGAAGATCAGCTATCTAATGATTGCCCTGACGGTGGTAGGATGCATCTTCATGGTTATT  
GAGGGCAAGAAGGCTGCCAAAGACACGAGACTTAAACAAGCTTGAACCTAGAAAAGAAA  
GCTCGTCTGAAAGAGGAAGCAGCTATGAAGGCCAAAACAGAGTAG
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Clone variation with respect to NM_014367.3



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5' Read Nucleotide Sequence: >OriGene 5' read for NM_014367 unedited
AACCGGCCACCAATTTGTACATACGACTCACTATAGGCGGCCGGAATTCGCACGAGCTGG
GTGACCTTGAGCTCACCATCGCCACCGTCCCCGGCGAAGTTCTGCGCTGGTTGGCGGAGT
ACCATGTGGCCATGGGGAGCCTCAGCGGTCTGCGCCTGGCAGCAGGAAGCTGCTTCAGGT
TATGCGATAGACATGTTTCTCATCTCTCAGGCTTACCAGAAGCTCTGATTTGAACAGAA
TAAATGGATTCTGCACAACCCACAGGAAAGCCCCGGAGCTCCATTCCGCACTTACCACA
GAGTGCCTTTACACAAACCTACGGATTGGCATAAAACGATCCTCATATGGTCCAGCGTCCG
CTCCCACCCAGGAAGATGACATCCAGAGACTGTCTCGCTGGAGATGCTTGATGCTGCAA
AGAACAAGATGCGAGTGAAGATCAGCTATCTAATGATTGCCCTGACGGTGCGCGGATGC
ACCTTCTGGCTATTGAGGGCAAGAAGGCTGCCACAGACACGACTCTAACAAGCTTG
AACTTACAAAAGACAGCCCGCTGAACGAGGACGCAGCTATGAAGGCCACCCACAGAGTA
CCAGAGGCATCCGCGTTGGCTGGCATTCTGAAACATCCAGCACTCATCTACTACCGCG
CCTGTCAATAAAAGGATGCGTTACTGAGGATCCATTTTATAAAGTATGACTCGCCAAA
CCTGTACCATTTCCGTATTTTTCGTGTATCAGAATCATCAACTCTCTATATACACAACA
ACCCACCCCTCCACTCTAGAACGCGGCCGCGAGCATAGCTGGCTCCCGAAAAGATCCCGG
CGGCATCCCTGTGACCCTCCCATGCCTTCTGCGCCGGAATCCCCCTCCCGCGCCCG

3' Read Nucleotide Sequence: >OriGene 3' read for NM_014367 unedited
NNNTTAACTCTGNACCGCGCCGCAATTTCTANGATCGGTTTTTTTTTTTTTTTTTTTATT
TAAGAAAATTATTTCTACTTCTACAGCAGAAATACGGAATGGTACAGGTTTGGGCAAT
CATACTTTATGAAATGGATCCTCATACCACATCCTTTTTAATACAGGCACGTTATAACAT
AATTCCTGGATTTTCAAATCCAGCCAACACGGATACCTCTGCTACTCTGTTTTGGCCTT
CATAGCTGCTTCTCTTTTTCAGACGAGCTTTCTTTTCTAAGTTCAAGCTTGTTAAAGTCTC
GTGTCTTTGGGCAGCCTTCTTGCCCTCAATAACCATGAAGATGCATCCTACCACCGTCAG
GGCAATCATTAGATAGCTGATCTTCACTCGCATCTTGTTCTTTGCAGCATCAAGCATCTC
CAACGAGACAGTCTCTGGGATTTTCTTCTTTTGAAGCGACCTGACCATATGAGGAT
CTTTTTCTGCCAATCCGTAGGTTTGTGTAAGGCACTCTGTTGTAAGTGGCGGATGGAGC
TCCGGGACTTTCTGTGGTTTTGTGCAAAATCCATTTATCTCTTCAAATCAGAGCTTCT
GGTAAGCCTTAGAGATGAGGAAACATCTTTTACATAACCTAAAACAGCTTCTGCTGC
CAGGCGCAGACCCTGAGGCTCCCCATGGCCACTTGTACTCCGCGACCAGCGCAGAAC
TTCGCGGNGACGGTGGCGCTGGTGAGCTCAATGTCACCCAGCCTCGTGCCGAATTCGCG
GCCGCCCTATAGTGAGTGTATTAAAAAATTNNCTGACGTTCACTAAACGAGCTCTGCTTA
TATAGACCTNCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTATTACG
ACATTTTG

Restriction Sites: NotI-NotI

ACCN: NM_014367

Insert Size: 1750 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).

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_014367.3 , NP_055182.3
RefSeq Size:	838 bp
RefSeq ORF:	465 bp
Locus ID:	26355
UniProt ID:	Q96A26
Cytogenetics:	3q21.1
Protein Families:	Transmembrane
Gene Summary:	Proposed to be involved in regulation of apoptosis; the exact mechanism may differ between cell types/tissues. May be involved in hypoxia-induced cell death of transformed cells implicating cytochrome C release and caspase activation (such as CASP9) and inducing mitochondrial permeability transition. May be involved in hypoxia-induced cell death of neuronal cells probably by promoting release of AIFM1 from mitochondria to cytoplasm and its translocation to the nucleus; however, the involvement of caspases has been reported conflictingly.[UniProtKB/Swiss-Prot Function]