

Product datasheet for **SC103403**

FAM136A (NM_032822) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM136A (NM_032822) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM136A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC103403 sequence for NM_032822 edited (data generated by NextGen Sequencing) ATGGCTGAGCTGCAGCAGCTCCGGGTGCAGGAGGCGGTGGAGTCCATGGTGAAGAGTCTG GAAAGAGAGAACATCCGGAAGATGCAGGGTCTCATGTTCCGGTGCAGCGCCAGCTGTTGT GAGGACAGCCAGGCCTCCATGAAGCAGGTGCACCAAGTGCATCGAGCGCTGCCATGTGCCT CTGGCTCAAGCCCAGGCTTTGGTCACCAAGTGCAGTGGAGAAGTTCCAGGACCGCCTGGCC CGGTGCACCATGCATTGCAATGACAAAGCCAAAGATTCAATAGATGCTGGGAGTAAGGAG CTTCAGGTGAAGCAGCAGCTGGACAGTTGTGTGACCAAGTGTGTGGATGACCACATGCAC CTCATCCCAACTATGACCAAGAAGATGAAGGAGGCTCTTATCAATTGGAAAATAA Clone variation with respect to NM_032822.2 261 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032822 unedited
AATACGACTCACTATACGGCGGCCGGAATTCGGCACGAGGCGGCGGAGCGCCGCGGG
GCAGCGCGGGGTGCGCATGGCTGAGCTGCAGCAGCTCCGGGTGCAGGAGGCGGTGGAGTC
CATGGTGAAGAGTCTGGAAAGAGAGAACATCCGGAAGATGCAGGGTCTCATGTTCCGGTG
CAGCGCCAGCTGTTGTGAGGACAGCCAGGCCTCCATGAAGCAGGTGCACCACTGCATCGA
GCGCTGCCATGTGCCTCTGGCTCAAGCCAGGCTTTGGTCACCACTGAGCTGGAGAAGTT
CCAGGACCGCCTGGCCCGGTGCACCATGCATTGCAATGACAAAGCCAAAGATTCAATAGA
TGCTGGGAGTAAGGAGCTTCAGGTGAAGCAGCAGCTGGACAGTTGTGTGACCAAGTGTGT
GGATGACCACATGCACCTCATCCCACTATGACCAAGAAGATGAAGGAGGCTCTCTTATC
AATTGGAAAATAAAAGTATTTGCCAGTGGCCATCAGGGCTGAGGGCAAGAATATATTTTT
TATAAGGAATTGGGAATTTAGTCTTTTAAGCAAAGTTTACGAATGAAGAAATGAAGGAT
GGCCACAAGCGTAAGGCATATGTCACTTGCCTCTGGACACTGGTTATTTTATGTTTCAGT
CCCTAAAAATGAAATGGAAAAAGTGGTGCTAAATCGAGTCAGAGATATTACCAGGAGA
GTTTTAGAGCTTATTATTTCTGTGGCCAGTGCTTGTCTGGCAGTATTGCTCTNCCCCT
GTACATGCCAGAGCCCTCCATGGTACCAGACTCTTCTTACTACACNAGTACTAACAGGCT
NGGCAGTTANNAGNTGNNTGGAGTCTGAAGAGAGATATTTCTCTTTGTGCCACCATCC
TGTTTACCAATAGTGTACCCCAACCATCTTNCATAGCTGTGAAACAATCATGAGGCACTA
ACTANAGGNAANGAAGTTTCTGGGNNCTTGTTTCTGATTNNGGTATCATCAGGCN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032822 unedited
TCCTTGNACGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTGGGGAGAAAAT
AAACCTTATTTATTTTAAAGTCAAACCACTAGGGAAAATATATTCACAGCCTGGAAACA
GCAAACGGACAGGCTATATTATAATTTCAAGTAATAAGTTGGTGAATTTCAACGAAGTT
GCTATCAAAACAATAAGGTGCCATGCTGGGGCAGGAACACTGCCAGCTGCACAAGCCCCA
GGCAAAAATGGTATTTGGTAATGGGGGCTGTCTCTCTTTGCTCTAAGGGAGTCAGCTCA
TCCTAGCCCAAGTTGCTTACTTTTTCTCCCTTGAATTTCTGTTGCCAGGGGTTGTCTC
AATTGGGCTCTGTTAATTCAGGGGGCTAAGTAGGCAATGCTAGGTGTAGGCTTTTATTCC
ATATGTTCTAATAAAACCAGGTTTTCCCAAATCCAGTACTTCATTTACTCTGTTGTAATC
AAGTAGCCAAGTCTCTCTTTTACTGTTTCTCTAGATACTAGTATATATCACAATCA
AAACCCCTTCTCTTCAAGGGGAAAGTGTACTGCAAGATTGCCTGTCATTTTGTACAC
CACAGCCTCAGGGGCCATCAGCCAGTAATTCTGCTTCCATAATTAGTGTGTCATCACCT
CTCATGTTTCTGCACAGTCTCCAGGCTGAAAGATGCAGCATGTAATAATTNTAAGAAATG
TACATCCACATCTTGATGACCAGAAATGGGGATNCCAAGGAACATTTCANAGNTCTTATC
CAAAGTGTCTACCTCCAGTTCACATCTTAAACAACCTGTATGCCCTTGTAAATAATA
CCCCNAATCAAGAAAACAAGACCAGAAAACCTTTCTTCCCTTCTAAGTAGNGACCTCATG
ATTTGTTTCCAAGCTATGGAGATGTGGGGTGACACTTTGGGTAACAGAATGTTGCACAN

Restriction Sites:

NotI-NotI

ACCN:

NM_032822

Insert Size:

1720 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
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_032822.1 , NP_116211.1
RefSeq Size:	1786 bp
RefSeq ORF:	417 bp
Locus ID:	84908
UniProt ID:	Q96C01
Cytogenetics:	2p13.3
Gene Summary:	This gene encodes a mitochondrially localized protein that is highly conserved across species. The gene is expressed in a variety of tissues including human lymphoblast cells and rat neurosensory epithelium of the crista ampullaris. A mutation in this gene has been associated with familial Meniere's disease, a chronic disorder of the inner ear. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016]