

Product datasheet for **SC100149**

FAM92A1 (FAM92A) (NM_145269) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM92A1 (FAM92A) (NM_145269) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM92A1
Synonyms:	FAM92A; FAM92A1; PAPA9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100149 sequence for NM_145269 edited (data generated by NextGen Sequencing)

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ATGATGAGGCGCACCCCTGGAAAACCGGAACGCTCAAACGAAACAACCTGCAAAACAGCTGTC
TCAAATGTGGAGAAGCATTTTGGAGAAGCTGTGCCAAATCTTCGCTGCCTATGTGCGGAAA
ACTGCCAGGCTGAGAGACAAAGCAGACCTCCTGGTGAATGAAATTAACGCGTATGCTGCT
ACAGAGACCCCGCATTTAAAGCTGGCCTGATGAACTTTGCAGATGAGTTTGCCAAACTT
CAGGATTATCGACAAGCAGAGGTTGAAAGACTTGAAGCCAAAGTAGTTGAACCCTTGAAA
ACTTATGGGACCATTTGTGAAAATGAAACGGGATGACCTCAAAGCAACACTCACAGCAAGG
AATCGAGAAGCTAAGCAATTAACCTCAGTTAGAAAGAACACGTGAGCGAAACCCATCTGAT
CGACATGTTATTNACAGGCAGAAACGGAATTACAGAGAGCTGCAATGGATGCTAGCCGA
ACAAGTCGTCATCTGGAGGAAACTATTAACAACCTTTGAAAGGCAGAAAATGAAGGATATA
AAGACTATATTTTCTGAATTTATCACAATCGAAATGTTATTTACGGCAAAGCTTTAGAG
GTCTACACTGCTGCCTACCAGAATATACAAAACATTGATGAAGATGAAGATTTAGAGGTT
TTCCAAAATTCTCTGTATGCACCAGATTATTCATCTCGTTTAGATATTGTAAGAGCAAAT
TCAAAGTCACCTTTCAGAGATCACTGTGAGCTAAGTGTGTATCTGGAACAGGACAGGTA
TCCACTTGTGACTAAGAAAGGATCAACAAGCAGAAGATGATGAGGATGACGAGTTAGAT
GTTACAGAAGAAGAAAATTTTCTTAAGTAA
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Clone variation with respect to NM_145269.3
433 t=>n;665 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145269 unedited
 GGGGTCAAATTTGTATACAATCATATAGGGCGGCCGCAATTCGCACGAGGGCTGCTTGC
 GCCCCAGCGCGCGCCAGGCGCCTTGAATCCCCGTCCTTGGGCCCCCGCAAGGTCCCCG
 GCCGTGCGCGAGGCAGCATGATGAGGCGCACCTTGAAAAACCGGAACGCTCAAACGAAAC
 AACTGCAAACAGCTGTCTCAAATGTGGAGAAGCATTGGAGAAGTGTGCCAAATCTTCG
 CTGCCTATGTGCGGAAAACCTGCCAGGCTGAGAGACAAAGCAGACCTCCTGGTGAATGAAA
 TTAACGCGTATGCTGCTACAGAGACCCCGCATTAAAGCTGGGCCTGATGAACTTTGCAG
 ATGAGTTTGCCAAACCTCAGATTATCGACAAGCAGAGGTTGAAAGACTTGAAGCCAAAG
 TAGTTGAACCCCTTAAAACTTATGGGACCATTGTGAAAATGAAACGGGATGACCTCAAAG
 CAACACTCACAGCAAGGAATCGAGAAGCTAAGCAATTAAGTACAGTTAGAAAGAACACGTC
 AGCGAAACCCATCTGATCGACATGTTATTGTATCCTTTGAATTTGGGTCTTTAAAAAAT
 GTTTAAGGTATGGAGTACAAAAGTAAATGTATATAGAAATGTGCATTTTACTTTTAA
 CGAGTAGAGAATTTGAATATAAAGATTGAAAAGAAATGCATTTANGAATCTCACTATAG
 AAATTTTAAAGAGTTACGCCACCTAAATCAAATCCCTTATATTGTTNTACACAGTAGA
 CTTTGCAAACGAACAAACAAAAATTCAGATGTTTTTATAAACAGTAAATCAAATTTCTT
 GATTTTATTTTACATGGTATGACTTAATATTAAATCTACCATTAAGATCTATGGTTA
 ATCCTAAATATCAANGGCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_145269 unedited
 NAAATCTATGNNACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTGGTCA
 GCATAAGTTTCTTTAATTTTTTCTGTTTCCAGTTGGACTTCACTTTGAGGCTTAACA
 TAGCAAAGTGAGTATAAAGTTCTACAATTTAGTCATTGTGGATTTCAAGTCATTTATGAT
 GAAAATGGAAATGTGTAGTTTACTTAAGAAAATTTCTTCTTCTGTAACATCTAACTCGT
 CATCCTCATCATCTTCTGCTTGTGATCCTTTCTTAGTCGACAAGTGGATACCTGTCCTG
 TTCCAGATACACACTTAGCTGACAGTGATCTCTGAAGAGGTGACTTTGAATTTGCTCTTA
 CAATATCTAAACGAGATGAATAATCTGGTGCATACAGAGAATTTGGAAAACCTCTAAAT
 CTTTCATCTTCAATGTTTTGTATATTCTGGTAGGCAGCAGTGTAGACCTCTAAAGCTT
 TGCCGTGAAATAACATTTGATTGTGATAAATTCAGAAAATATAGTCTTTATATCCTTCA
 TTTTCTGCCTTTCAAAGTTGTTAATAGTTTCTCCAGATGACGACTTGTTCGGCTAGCAT
 CCATTGCAGCTCTCTGTAATCCGTTTCTGCCTTTGGTCCCAAGGAAGAAGACCAAGCA
 ACTGGGCGCAGCCCCCAATCGCTGCTTCAAGAGACTTCCCTCAAGAAATGGAGGTGTC
 TTGGAACCCAAATGCTCTCAAAGAGCCACTCCTCATGTGGGTTTCTGGCTGAGCTGGGCA
 GTAACAACCTTTTAGGAAGCCGGAAGGGAACTTTTTGAAAAAGAATTGGGAAAAAGAG
 GCCGTAGGGATGTTAGAGCCTTCTTCCCTTCTCTTTTNTTTTGGAAAAAACTCCC
 TTGGTTTTCAGGCCGAGAGGCAAGGGTGGGGACCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_145269

Insert Size:

2500 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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_145269.2</u> , <u>NP_660312.1</u>
RefSeq Size:	1292 bp
RefSeq ORF:	816 bp
Locus ID:	137392
UniProt ID:	<u>A1XB55</u>
Cytogenetics:	8q22.1
Gene Summary:	<p>Probable regulator of ciliogenesis involved in limb morphogenesis. In cooperation with CBY1 it is involved in the recruitment and fusion of endosomal vesicles at distal appendages during early stages of ciliogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer 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.</p>