

Product datasheet for SC317419

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: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC317419 representing NM_145269. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGATGAGGCGCACCTGGAAAACCGGAACGCTCAAACGAAACAACGCAACAGCTGTCTCAAATGTG
 GAGAAGCATTTTGGAGAACTGTGCCAAATCTTCGCTGCCTATGTGCGGAAAACGTCAGGCTGAGAGAC
 AAAGCAGACCTCCTGGTGAATGAAATTAACGCGTATGCTGCTACAGAGACCCCGCATTTAAAGCTGGGC
 CTGATGAACTTTGCAGATGAGTTTGCCAACTTCAGGATTATCGACAAGCAGAGGTTGAAAGACTTGAA
 GCCAAAGTAGTTGAACCTTGAAAACCTTATGGGACCATTGTGAAAATGAAACGGGATGACCTCAAAGCA
 AACTCACAGCAAGGAATCGAGAAGCTAAGCAATTAACGCTAGTAAAGAACACGTCAGCGAAACCCA
 TCTGATCGACATGTTATTTACAGGCAGAAACGGAATTACAGAGAGCTGCAATGGATGCTAGCCGAACA
 AGTCGTCATCTGGAGGAACTATTAACAACTTTGAAAGGCAGAAAATGAAGGATATAAAGACTATATTT
 TCTGAATTTATCACAATCGAAATGTTATTTACGGCAAAGCTTTAGAGGTCTACACTGCTGCCTACCAG
 AATATACAAAACATTGATGAAGATGAAGATTTAGAGGTTTCCGAAATCTCTGTATGCACCAGATTAT
 TCATCTCGTTTAGATATTGTAAGAGCAAATTCAAAGTCACCTCTTCAGAGATCACTGTCAGCTAAGTGT
 GTATCTGGAACAGGACAGGTATCCACTTGTGCGACTAAGAAAGGATCAACAAGCAGAAGATGATGAGGAT
 GACGAGTTAGATGTTACAGAAGAAGAAAATTTCTTAAGTAA
 AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
 ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

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|--------------------|------------|
| Restriction Sites: | SgfI-RsrII |
| ACCN: | NM_145269 |
| Insert Size: | 870 bp |


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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: 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:

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_145269.4](#)

RefSeq Size: 1984 bp

RefSeq ORF: 870 bp

Locus ID: 137392

UniProt ID: [A1XBS5](#)

Cytogenetics: 8q22.1

MW: 33.4 kDa

Gene Summary: 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]
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.