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Product datasheet for RG212680

FAM92A1 (FAM92A) (NM_145269) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM92A1 (FAM92A) (NM_145269) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM92A1
Synonyms:	FAM92A; FAM92A1; PAPA9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG212680 representing NM_145269
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGAGGCGCACCCTGGAAAACCGGAACGCTCAAACGAAACAACTGCAAACAGCTGTCTCAAATGTGG
AGAAGCATTTTGGAGAACTGTGCCAAATCTTCGCTGCCTATGTGCGGAAAACTGCCAGGCTGAGAGACAA
AGCAGACCTCCTGGTGAATGAAATTAACGCGTATGCTGCTACAGAGACCCCGCATTTAAAGCTGGGCCTG
ATGAACTTTGCAGATGAGTTTGCCAAACTTCAGGATTATCGACAAGCAGAGGTTGAAAGACTTGAAGCCA
AAGTAGTTGAACCCTTGAAAACTTATGGGACCATTGTGAAAATGAAACGGGATGACCTCAAAGCAACACT
CACAGCAAGGAATCGAGAAGCTAAGCAATTAACTCAGTTAGAAAGAACACGTCAGCGAAACCCATCTGAT
CGACATGTTATTTCACAGGCAGAAACGGAATTACAGAGAGCTGCAATGGATGCTAGCCGAACAAGTCGTC
ATCTGGAGGAAACTATTAACAACTTTGAAAGGCAGAAAATGAAGGATATAAAGACTATATTTTCTGAATT
TATCACAATCGAAATGTTATTTCACGGCAAAGCTTTAGAGGTCTACACTGCTGCCTACCAGAATATACAA
AACATTGATGAAGATGAAGATTTAGAGGTTTTCCGAAATTCTCTGTATGCACCAGATTATTCATCTCGTT
TAGATATTGTAAGAGCAAATTCAAAGTCACCTCTTCAGAGATCACTGTCAGCTAAGTGTGTATCTGGAAC
AGGACAGGTATCCACTTGTCGACTAAGAAAGGATCAACAAGCAGAAGATGATGAGGATGACGAGTTAGAT
GTTACAGAAGAAGAAAATTTTCTTAAGAGCGG[AT]CCG

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>RG212680 representing NM_145269
Red=Cloning site Green=Tags(s)

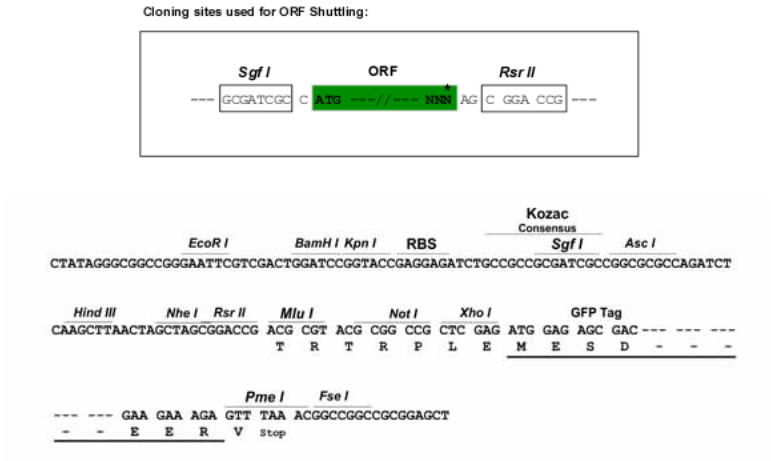
MMRRTLENRNAQTKQLQTAVSNVEKHFGELCQIFAAYVRKTARLRDKADLLVNEINAYAATETPHLKLGL
MNFADEFAKLQDYRQAEVERLEAKVVEPLKTYGTIVKMKRDDLKATLTARNREAKQLTQLERTRQRNPSD
RHVISQAETELQRAAMDASRTSRHLEETINNFERQKMKDIKTIFSEFITIEMLFHGKALEVYTAAYQNIQ
NIDEDEDLEVFRNSLYAPDYSSRLDIVRANSKSPLQRSLSAKCVSGTGQVSTCRLRKDQQAEDDEDDELD
VTEEENFLKSXXP

SGPTRTRRLE – GFP Tag – V

Chromatograms: https://cdn.origene.com/chromatograms/ja2230_a07.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_145269

ORF Size: 879 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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_145269.5

RefSeq Size: 1135 bp

RefSeq ORF: 870 bp

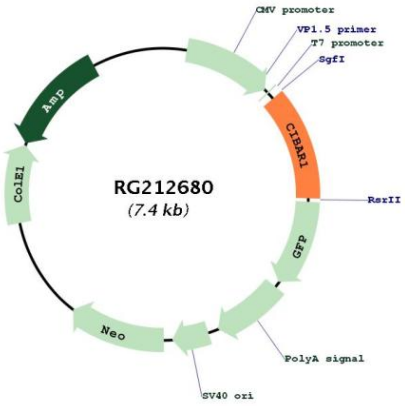
Locus ID: 137392

UniProt ID: A1XBS5

Cytogenetics: 8q22.1

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]

Product images:



Circular map for RG212680