

Product datasheet for **RG234809**

FAM40A (STRIP1) (NM_001270768) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM40A (STRIP1) (NM_001270768) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM40A
Synonyms:	FAM40A; FAR11A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234809 representing NM_001270768
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGAATCGAAATGCTTTGAGGAGGACTTCCGGATCCATGTGACAGACAAGAAGTGGACTGAGCTGGATA
 CCAACCAGCACCGGACCCATGCCATGAGGCTCCTGGATGGCTTGGAAGTCACTGCCAGGGAGAAGAGACT
 CAAGGTGGCTCGAGCAATTCTCTATGTTGCTCAAGGCACGTTTGGGGAGTGCAGCTCGGAGGCAGAGGTG
 CAGTCCTGGATGCGCTACAACATCTTTCTCCTCCTGGAGGTGGGCACGTTCAATGCTTTGGTGGAGCTTC
 TGAACATGGAAATAGACAACAGTGCCGCTGCAGCAGTGTGTGAGGAAGCCTGCCATCTCCCTGGCTGA
 CAGCACAGACCTCAGGGTCTGCTCAACATCATGTACCTGATAGTGAGACCGTTTCATCAGGAGTGTGAG
 GGTGACAAAGGCTGAGTGGAGGACCATGCGGCAGACCTTCAGAGCCGAGCTGGGCTCCCCGCTGTACAACA
 ATGAGCCATTTGCCATCATGCTGTTTGGGATGGTGACCAATTTTGCAGTGGTACGCCCCCTCACTTTCC
 CATGAAGAAAGTTCTCTTGCTGCTCTGGAAGACAGTATTGTGCACGCTAGGCGGCTTTGAGGAGCTGCAG
 AGCATGAAGGCTGAGAAGCGCAGCATCCTGGGCTCCCCCGCTTCTGAGGACAGCATCAAAGTATTC
 GCAACATGAGAGCAGCCTCTCCACCAGCATCTGCTTCAGACTTGATTGAGCAGCAGCAGAAACGGGGCCG
 CCGAGAGCACAAGGCTCTGATAAAGCAGGACAACCTAGATGCCTTCAACGAGCGGGATCCCTACAAGGCT
 GATGACTCTCGAGAAGAGGAAGAGGAGAATGATGATGACAACAGTCTGGAGGGGAGACGTTTCCCTGG
 AACGGGATGAAGTGATGCCTCCCCCGCTACAGCACCCACAGACTGACAGGCTGACTTGCCCCAAAGGCT
 CCCGTGGGCTCCCAAGGTGAGAGAGAAAGACATTGAGATGTTCTTGAGTCCAGCCGAGCAAATTTATA
 GGTTACACTCTAGGCAGTGACACGAACACAGTGGTGGGCTGCCAGGCCAATCCACGAAAGCATCAAGA
 CTCTGAAACAGCACAAGTACACGTCGATTGCAGAGGTCCAGGCACAGATGGAGGAGGAATACCTCCGCTC
 CCTCTCTCAGGGGGAGAAGAAGAAGTTGAGCAAGTCCCTGCAGAAACCTCTACCAAGGCTTGCTCCCC
 AGCCTGCCTCAGTATATGATTGCCCTCCTGAAGATCCTGTTGGCTGCAGCACCCACCTCAAAGCCAAAA
 CAGACTCAATCAACATCCTAGCGGACGCTTGCCTGAGGAGATGCCACCACAGTGTGAGAGCATGAA
 GCTGGGGGTGGATGTAACCGCCACAAAGAGGTCATTGTTAAGGCCATTTCTGCTGTCTGCTGCTGCTG
 CTCAAGCACTTTAAGTTGAACCATGTCTACCAGTTTGAATACATGGCCAGCACCTGGTGTGTTGCCAACT
 GCATTCCTTTGATCCTAAAGTTCTTCAATCAAAACATCATGTCTACATCACTGCCAAGAAGCAGATTTT
 TGTCTGGATTACCTCACTGCGTGGTGCATGAGCTGCCAGAGCTGACGGCGGAGAGTTTGAAGCAGGT
 GACAGTAACCAATTTTGGTGGAGGAACCTCTTTCTTGTATCAATCTGCTTCGGATCTTGAACAAGCTGA
 CAAAGTGAAGCATTCAAGGACAATGATGCTGGTGGTGTCAAGTCAGCCCCATCTTGAAGCGGGCCCT
 AAAGGTGAAACAAGCCATGATGCAGCTCTATGTGCTGAAGCTGCTCAAGGTACAGACCAATACTTGGGG
 CGGCAGTGGCGAAAGAGCAACATGAAGACCATGTCTGCCATCTACCAGAAGGTGCGGCATCGGCTGAACG
 ACGACTGGGCATACGGCAATGATCTTGATGCCCGGCTTGGGACTTCCAGGCAGAGGAGTGTGCCCTTCG
 TGCCAACATTGAACGCTTCAACGCCGGCGCTATGACCGGGCCACAGCAACCCTGACTTCCTGCCAGTG
 GACAACTGCCTGCAGAGTGTCTGGGCCAACGGGTGGACCTCCCTGAGGACTTTCAGATGAAGTATGACC
 TCTGTTAGAAAGGGAGGTCTTCTCCAAGCCATTTCCTGGGAAGAGCTGCTGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234809 representing NM_001270768
 Red=Cloning site Green=Tags(s)

MNRKCFEEDFRIHVTDKKWTELDTNQHRTHAMRLLDGLEVTAREKRLKVARAILYVAQGTFGECSSAEV
 QSWMYNIFLLLEVGTFNALVELLNMEIDNSAACSSAVRKPAISLADSTDLRVLLNIMYLIVETVHQECE
 GDKAEWRTMRQTFRAELGSPLYNNEPFAIMLFGMVTKFCSGHAPHFPMKKVLLLLWKTVLCTLGFEELQ
 SMKAEKRSILGLPLPEDSIKIVIRNMRAASPASDLIEQQQKGRREHKALIKQDNLDAFNERDPYKA
 DDSREEEEDDDNSLEGETFPLERDEVMPPLQHPQTDRLTCPKGLPWAPKVREKDIEMFLESSRSKFI
 GYTLGSDTNTVVGLPRPIHESI KTLKQHKYTSIAEVQAQMEEEYLRSPLSGGEEVEQVPAETLYQGLLP
 SLPQYMIALLKILLAAAPTSAKATDSINILADVLPEEMPTTVLQSMKLGVDVNRHKEIVKAISAVLLLL
 LKHFKLNHVYQFEYMAQHLVFANCIPLILKFFNQNMYSITAKNSISVLDYPHCVVHELPELTAESEAG
 DSNQFCWRNLFSCINLLRILNKLTKWKHSRTMMLVVFKSAPILKRALVKVQAMQLYVLKLLKVQTKYLG
 RQWRKSNMKTMSAIYQVRHRLNDDWAYGNDLDARPDWFQAECCALRANIERFNARRYDRAHNSNPDFLPV
 DNCLQSVLGQRVDLPEDFQMNYDLWLEREVFSKPI SWEELLQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001270768

ORF Size: 2226 bp

OTI Disclaimer: 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_001270768.1](#), [NP_001257697.1](#)

RefSeq Size: 3138 bp

RefSeq ORF: 2229 bp

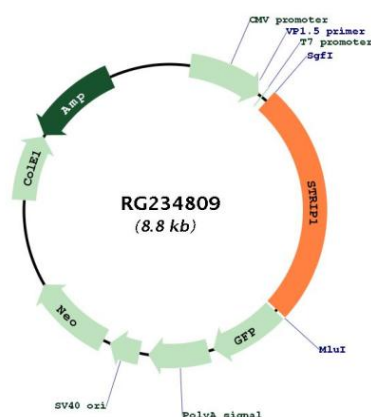
Locus ID: 85369

UniProt ID: [Q5VSL9](#)

Cytogenetics: 1p13.3

Gene Summary: This gene encodes a member of the striatin-interacting phosphatase and kinase complex, which is involved in localization of the Golgi body. The encoded protein participates in cytoskeletal organization. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG234809