

Product datasheet for **RC210537**

FAM40A (STRIP1) (NM_033088) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FAM40A (STRIP1) (NM_033088) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | FAM40A |
| Synonyms: | FAM40A; FAR11A |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC210537 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCCGGCAGTCGGCGGTCCGGGCCACTGATCGTGAACAACAACAGCCCCAGCCCCGCCACCTC
 CGCCGCCGGCAGCCGACAGCCACCACCGGGCACCGCGGGCCGCCGGGCCTCTGCCTGGGGCAA
 AGCCCGCAGTTC AACCCGAACCAGCGAAAGACTCAGAGGGCTATTCGGAGTCACCAGACCTGGAGTTT
 GAGTATGCTGACACAGACAAGTGGGCTGCAGAGCTCTCGAGCTTTACAGCTACACGGAAGGGCCAGAAT
 TCCTGATGAATCGAAAATGCTTTGAGGAGGACTCCGGATCCATGTGACAGACAAGAAGTGGACTGAGCT
 GGATACCAACCAGCACCGGACCCATGCCATGAGGCTCCTGGATGGCTTGGAACTACTGCCAGGGAGAAG
 AGACTCAAGGTGGCTCGAGCAATCTCTATGTTGCTCAAGGCACGTTTGGGGAGTGCAGCTCGGAGGCAG
 AGGTGCAGTCTGGATGCGCTACAACATCTTTCTCCTCCTGGAGGTGGGCAGTTCAATGCTTTGGTGA
 GCTTCTGAACATGAAAATAGACAACAGTCCCGCTGCAGCAGTGTGTGAGGAAGCTGCCATCTCCCTG
 GCTGACAGCACAGACCTCAGGGTCTGTCAACATCATGTACCTGATAGTGGAGACCGTTTATCAGGAGT
 GTGAGGGTGACAAGGCTGAGTGGAGGACCATGCCGCAGACCTTCAGAGCCGAGCTGGGCTCCCCGCTGTA
 CAACAATGAGCCATTTGCCATCATGCTGTTTGGGATGGTGACCAAATTTTGCAGTGGTACGCCCCCTCAC
 TTTCCCATGAAGAAAGTTCTCTTGCTGCTCTGGAAGACAGTATTGTGCACGCTAGCGCGCTTTGAGGAGC
 TGCAGAGCATGAAGGCTGAGAAGCGCAGCATCCTGGGCCCTCCCCCGCTTCTGAGGACAGCATCAAAGT
 GATTCGCAACATGAGAGCAGCCTCTCCACCAGCATCTGCTTCAGACTTGATTGAGCAGCAGCAGAAAACGG
 GGCCGCCGAGAGCACAAGGCTCTGATAAAGCAGGACAACCTAGATGCCTTCAACGAGCGGGATCCCTACA
 AGGCTGATGACTCTCAGAGAAGAGGAAGGAGAAATGATGATGACAACAGTCTGGAGGGGGAGCTTTCC
 CCTGGAACGGGATGAAGTGATGCCTCCCCGCTACAGCACCCACAGACTGACAGGCTGACTTGCCCAAA
 GGGCTCCCGTGGGCTCCAAGGTCAGAGAGAAAGACATTGAGATGTTCTTGGTCCAGCCGAGCAAAT
 TTATAGGTTACTCTAGGCAGTGACACGAACACAGTGGTGGGGCTGCCAGGCCAATCCACGAAAGCAT
 CAAGACTCTGAAACAGCACAAGTACACGTGATTGCAGAGGTCCAGGCACAGATGGAGGAGGAATACCTC
 CGCTCCCTCTCTCAGGGGGAGAAGAAGATTGAGCAAGTCCCTGCAGAAACCTCTACCAAGGCTTGC
 TCCCCAGCCTGCCTCAGTATATGATTGCCCTCCTGAAGATCCTGTTGGCTGCAGCACCCACCTCAAAGC
 CAAAACAGACTCAATCAACATCCTAGCGGACGTCTTGCCTGAGGAGATGCCACCACAGTGTTCAGAGC
 ATGAAGCTGGGGTGGATGTAACCGCCACAAAGAGGTCATTGTTAAGGCCATTTCTGCTGCTCCTGCTGC
 TGCTGCTCAAGCACTTTAAGTTGAACCATGTCTACCAGTTTGAATACATGGCCCAGCACCTGGTGTTTGC
 CAACTGCATTCCTTTGATCCTAAAGTCTTCAATCAAAAACATCATGTCCTACATCACTGCCAAGAACAGC
 ATTTCTGTCTGGATTACCCTCACTGCGTGGTGCATGAGCTGCCAGAGCTGACGGCGGAGAGTTTGAAG
 CAGGTGACAGTAACCAATTTTGTGGAGGAACCTTTTCTTGTATCAATCTGCTTCGGATCTTGAACAA
 GCTGACAAAGTGAAGCATTCAAGGACAATGATGCTGGTGGTGTCAAGTCAGCCCCATCTTGAAGCGG
 GCCCTAAAGGTGAAACAAGCCATGATGCAGCTCTATGTGCTGAAGCTGCTCAAGGTACAGACCAATACT
 TGGGGCGCAGTGGCGAAAGAGCAACATGAAGACCATGTCTGCCATCTACCAGAAGTGCCGCATCGGT
 GAACGACGACTGGGCATACGGCAATGATCTTGTGCCCCGGCCTTGGACTTCCAGGCAGAGGAGTGTGCC
 CTTCTGTGCAACATTGAACGCTTCAACGCCGGCGCTATGACCGGGCCACAGCAACCCTGACTTCTGTC
 CAGTGGACAACCTGCCTGCAGAGTCTCTGGGCCAACGGGTGGACCTCCCTGAGGACTTTCAGATGAACTA
 TGACCTCTGGTTAGAAAGGGAGGCTTCTCCAAGCCATTTCTGGGAAGAGCTGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210537 protein sequence
Red=Cloning site Green=Tags(s)

MEPAVGGPGPLIVNNKQPQPPPPPPAAAQPPPGAPRAAAGLLPGGKAREFNRNQRKDSEGYSESPDLEF
EYADTDKAAELSELYSYTEGPEFLMNRKCFEEDFRIHVTDKKWTELDTNQHRTHAMRLLDGLEVTAREK
RLKVARAILYVAQGTFGECSSAEVQSWMRYNIFLLLEVGTFNALVELLNMEIDNSAACSSAVRKPAIL
ADSTDLRVLLNIMYLIVETVHQECEGDKAERTMRQTFRAELGSPLYNNEPFAIMLFGMVTKFCSGHAPH
FPMKKVLLLLWKTVLC TLGGFEELQSMKAEKRSILGLPPLPEDIKVIKIRNMRAASPPASADLIEQQQKR
GRREHKALIKQDNLDAFNERDPYKADDSREEEEEENDDNSLEGETFPLERDEVMPPLQHPQTDRLTCPK
GLPWAPKVREKDIEMFLESSRSKFIGYTLGSDTNTVVGLPRPIHESI KTLKQHKYTSIAEVQAQMEEEYL
RSPLSGGEEVEVPAETLYQGLLPSLPQYMIALLKILLAAAPT SKAKTDSINILADVLPEEMPTTVLQS
MKLGVDVNRHKEIVKAI SAVLLLLLKHFKLNHVYQFEYMAQHLVFANCIPLILKFFNQNIMSYITAKNS
ISVLDYPHCVVHELPELTAESLEAGDSNQFCWRNLFSCINLLRILNKLTWKHSRTMMLVVFKSAPILKR
ALKVKQAMMQLYVLKLLKVQTKYLGRQWRKSNMKTMSAIYQKVRHRLNDDWAYGNDLDARPWDFQAECA
LRANIERFNARRYDRAHNSPDFLPVDNCLQSVLGQRVDLPEDFQMNLYDLWLEREVFSKPI SWEELLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6380_e10.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_033088

ORF Size: 2511 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_033088.4](#)

RefSeq Size: 3291 bp

RefSeq ORF: 2514 bp

Locus ID: 85369

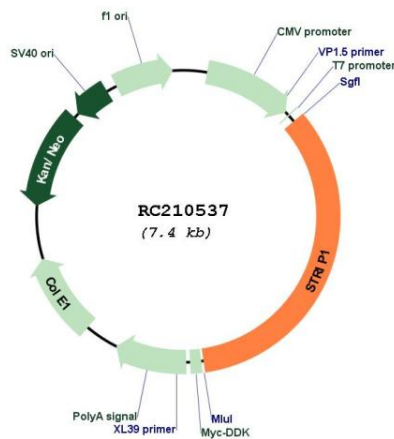
UniProt ID: [Q5VSL9](#)

Cytogenetics: 1p13.3

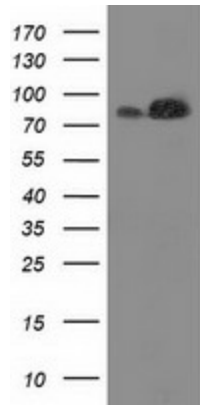
MW: 95.6 kDa

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]

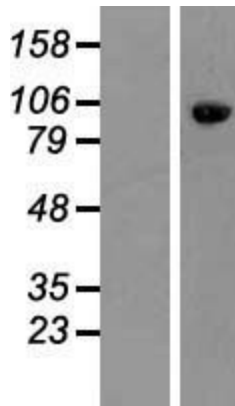
Product images:



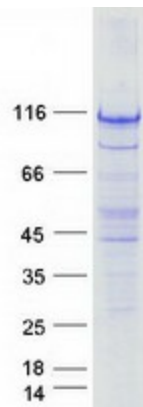
Circular map for RC210537



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FAM40A (Cat# RC210537, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FAM40A (Cat# [TA502310]). Positive lysates [LY409738] (100ug) and [LC409738] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY409738]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210537 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STRIP1 protein (Cat# [TP310537]). The protein was produced from HEK293T cells transfected with STRIP1 cDNA clone (Cat# RC210537) using MegaTran 2.0 (Cat# [TT210002]).