

Product datasheet for **RG204293**

FAM125A (MVB12A) (NM_138401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM125A (MVB12A) (NM_138401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM125A
Synonyms:	CFBP; FAM125A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204293 representing NM_138401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCCGTACCCGGGACAGACTCGGCGCCGCTGGCTGGCCTGGCCTGGTCTGCGGCCTCTGCACCCC
CGCCGCGGGGTTTCAGCGCGATCTCCTGCACCGTCGAGGGGGCACCCGCCAGCTTTGGCAAGAGCTTCGC
GCAGAAATCTGGCTACTTCTGTGCCTTAGTTCTCTGGGCAGCCTAGAGAACCCGCAGGAGAACGTGGT
GCCGATATCCAGATCGTGGTGGACAAGAGCCCCCTGCCGCTGGGCTTCTCCCCGTCTGCGACCCCATGG
ATTCCAAGGCCTCTGTGTCCAAGAAGAAACGCATGTGTGTGAAGCTGTTGCCCTGGGAGCCACGGACAC
GGCTGTGTTTGTGTCGGCTGAGTGGGAAGACCAAGACAGTGCCTGGATACCTTCGAATAGGGGACATG
GGCGGCTTTGCCATCTGGTGCAAGAAGGCCAAGGCCCGAGGCCAGTGCCCAAGCCCCGAGGTCTCAGCC
GGGACATGCAGGGCCTCTCTGGATGCAGCCAGCCAGCCAAGTAAGGGCGGCCTCTGGAGCGGACAGC
GTCAAGGCTGGGCTCTCGGGCATCCACTCTGCGGAGGAATGACTCCATCTACGAGGCCTCCAGCCTCTAT
GGCATCTCAGCCATGGATGGGGTTCCCTTCACTCCACCCACGATTTGAGGGCAAGAGCTGCAGCCCC
TGGCCTTCTGCTTTTGGGGACCTGACCATCAAGTCTCTGGCGGACATTGAGGAGGAGTATAACTACGG
CTTCGTGGTGGAGAAGACCGCGGCTGCCCGCTGCCCCCAGCGTCTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204293 representing NM_138401
 Red=Cloning site Green=Tags(s)

MDPVPGTDSAPLAGLAWSSASAPPPRGFSAISCTVEGAPASFGKSFAQKSGYFLCLSSLGSLNPQENVV
 ADIQIVVDKSPPLPLGFSPVCDPMDSKASVSKKRMCVKLLPLGATDTAVFDVRLSGKTKTPGYLRIGDM
 GGF AIWCKKAKAPRPVVKPRGLSRDMQGLSLDAASQPSKGLLERTASRLGSRASTLRRNDIYEASSLY
 GISAMDGVPFTLHPRFEGKSCSPLAFSAFGDLTIKSLADIEEEYNYGFVVEKTAARLPSPVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_138401

ORF Size: 819 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_138401.4](#)

RefSeq Size: 1216 bp

RefSeq ORF: 822 bp

Locus ID: 93343

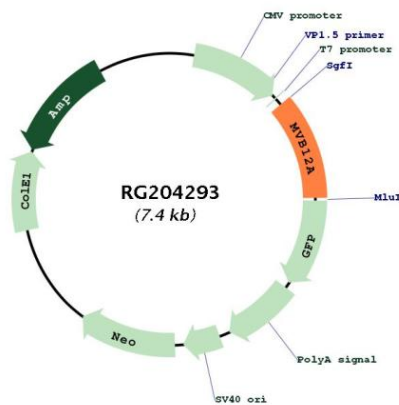
UniProt ID: [Q96EY5](#)

Cytogenetics: 19p13.11

Protein Pathways: Endocytosis

Gene Summary: Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in the ligand-mediated internalization and down-regulation of EGF receptor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204293