

Product datasheet for **RG234403**

FAM124A (NM_001242312) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM124A (NM_001242312) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM124A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234403 representing NM_001242312
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGAGACCAAGGCGGGCGGCGCGCGCGGAGGAGGAGCTCGTGGACTCGGGGCGCGAGACCGGAGGCT
CCGACTACAGCCACCTGTCTCCACGAGCAGTGAGCTTTCCGTTGAAGAGGCGCAGGACCTTTCTGGT
CAGCATCCACATAATCGCAGACCCAGGGGAGTCCAGGCCCTGCAGGAGGCCATCGACAACGTCTTGGCG
TGGATCCACCCGACCTCCCGTGTTCGGGTGTCCGAGAGGCGGGCGTCCCGGCGGCGCGGAAGCCCC
CCAAGGGCGCTCAGCCAGCGCTGGCTGTGGTGTCTTCTGCAGGAGGAGTACGGCGAAGAGCAGATCC
GCAGCTGCACCGCACACTGCAGCAGCCGCCCTGGCGCCACCACCACCCGAGCAGGTGCACGGCCGGTTCC
CTGCCCTACCTGCCCTGCAGCCAGGACTTCTTACGCTGGCCCCCTGGGACGCCGCTTTGGGCCATCCGGC
CCGTGCACTACGGCAAGGAAATCGTGCCTTACCCTCTACTGTCGCTACGACAATATGCTGACAGCCT
CAGGTTCTACCAGCTGATTCTCCGGAGGAGCCCCAGCCAGAAGAAAGCGGACTTCTGCATCTTCCCTATT
TTTTCAACCTGGATGTGGACATCCAGTTCTCCCTGAAAAGACTGCCCTGTGACCAGTGCCCGGTGCCCA
CCGACTCCTCCGTGCTGGAGTTCGAGTGAGGGACATAGGCGAGCTCGTGCCTCTCCTGCCCAACCTTG
CAGCCCCATCAGCGAGGGGCGCTGGCAGACGGAGGACCATGATGGGAACAAGATCCTCCTACAGGCACAA
AGGGTGCATAAGAAGTTTCTAAACCTGGCAGAGTACATCATGCCTCCGAGAAGAAACGTATTCCACTC
CTTTGCCGAGCACTGCTGTACCAAGCCATACACCTGGCAGCAGCCAGCAGTCCCGCTCAACAGTCTCTCA
CCCGGGGCCCATCCGGACAGGCCTGCCTCCTGGGCACCAGCAGGAATTTGCCGGACGAGCCAACAGCACC
CCCAACCCTCCCTGGTCTTTCCAGAGAAGCAAGTCTTGTTTTGTTTGGCCACGGGAGGCCCTCCCTGG
CCTCCTCAGCTGAACCACAGTGGTTTTCAAACACAGGTGCCCCAGGGCACAGGGCATCAGAGTGGAGGCA
TGGCCACCTCCTCTCCATCGATGACCTAGAGGGGGGCCAGGAGACAGACGTGGACACAGGCCTGCGGCTG
TCCTCATCGGACCTGTCTGTGGTCTCTGCATATTCTGCACCCAGTAGGTTCTGCAGCACAGTGGAGACAC
CCCTCCCCTCCGAAAGATGCAGCAGCCACTGGGCAGCTCACAAGGATTCAGGGAGGGACCACTGCCAC
TGTGACGAGGGTGACACAGAGGCCTCCTGGGCTTCCCTCCCTTCTTCCACAAAAGGTCTTCCAGCTCC
TCAGCGACAGCTCGTGTCTGCTCCCCAGCTCCCAGCACCTCACCCCTCACAGACTCCTCCCCACAGTCCG
CATGCGATACCCCCAAGTCAAGCAGACTGATGGAGACATGCCACCACCCCCAGGCTGGCTGGCCCCGG
GGATAACGCATGGAGGAATTCTACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234403 representing NM_001242312
Red=Cloning site Green=Tags(s)

MDPKAGGGGEEDDCVDSGAETGGSDYSHLSSTSSELSVEEAQDPFLVSIHIADPGESQPLQEAIDNVLA
WIHPDLPLFRVSERRASRRRRKPKPGAQPALAVVLFQEEYGEEQILQLHRTLQPPWRHHHTEQVHGRF
LPYLPSCSQDFFTLAPGTPLOWIRPVHYGKEIVRFTVYCRYDNYADSLRFYQLILRRSPSQKKADCFIFPI
FSNLDVDIQFSLKRLPCDQCPVPTDSSVLEFRVRDIGELVPLLNPNCSPISEGRWQTEDHDGKNILLQAQ
RVHKKFKPKGRVHHAASEKKRHSTPLPSTAVPSHTPGSSQQSPLNSPHPGPIRTGLPPGHQEQEAGRANST
PNPPWSFQRSKSLFCLPTGGPSLASSAEPQWFSNTGAPGHRASEWRHGHLSSIDDLEGAQETDVTGLRL
SSSDLVVVSAYSAPSRFCSTVETPLPSERCSHWAHAKDSREGPLTPVSRVTTEASWASLPFFTKRSSSS
SATARAAPPAPSTSTLTDSSPOLPCDTPKVKOTDGMPPPPGSAGPGDNDMEEFYI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001242312

ORF Size: 1638 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_001242312.2](#)

RefSeq Size: 4808 bp

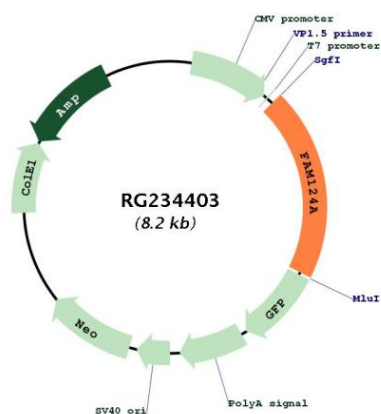
RefSeq ORF: 1641 bp

Locus ID: 220108

UniProt ID: [Q86V42](#)

Cytogenetics: 13q14.3

Product images:



Circular map for RG234403