

Product datasheet for **RG224150**

FAM124A (NM_145019) Human Tagged ORF Clone

Product data:

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



ORF Nucleotide Sequence: >RG224150 representing NM_145019
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCCAAAGGCGGGCGGCGGCGGAGGAGGACGACTGCGTGGACTCGGGCGCCGAGACCGGAGGT
 CCGACTACAGCCACCTGTCTCCACGAGCAATGGATTCTCCACCTGGCGGATGCCATGTTGCTGTCTCT
 TTAAGTACACACGGTGACAAAGAAAGGGAAGATGGAGCCTCCAGGTTGAACATACCTGGCCCTCAGGT
 GAGCTTTCCGTTGAAGAGGCGCAGGACCCCTTCTGGTCAGCATCCACATAATCGCAGACCCAGGGGAGT
 CCCAGCCCCGAGGAGGCCATCGACAACGTCTGGCGTGGATCCACCCGACCTCCCGCTGTTCCGGGT
 GTCCGAGAGGCGGGCGTCCCGGCGGCGGGAAGCCCCCAAGGGCGCTCAGCCAGCGCTGGCTGTGGTG
 CTGTTCTGCAGGAGGAGTACGGCGAAGAGCAGATCCTGCAGCTGCACCGCACACTGCAGCAGCCGCCCT
 GGCGCCACCACACCGAGCAGGTGCACGGCCGTTCTGCCCTACCTGCCCTGCAGCCAGGACTTCTT
 CACGCTGGCCCTGGGACGCCGCTTGGGCCATCCGGCCGTCGACTACGGCAAGGAAATCGTGCCTTC
 ACCGTCTACTGTGCTACGACAATATGCTGACAGCCTCAGGTTCTACCAGCTGATTCTCCGGAGGAACC
 CCAGCCAGAAGAAAGCGGACTTCTGCATCTTCCCTATTTTTTCAAACCTGGATGTGGACATCCAGTTCTC
 CCTGAAAGACTGCCCTGTGACCACTGCCCGTGGCCACCGACTCCTCCGTGCTGGAGTTCGAGTGAGG
 GACATAGGCGAGCTCGTGCCTCTCTGCCCAACCCTTGACGCCCATCAGCGAGGGCGCTGGCAGACGG
 AGGACCATGATGGGAACAAGATCCTCTACAGGCACAAAGGGTGATAAGAAAGTTTCTAAACCTGGCAG
 AGTACATCATGCCTCCGAGAAGAAACGTCAATCCACTCCTTTGCCGAGCACTGCTGTACCAAGCCATACA
 CCTGGCAGCAGCCAGCAGTCCCGCTCAACAGTCTCACCCTGGGGCCATCCGGACAGGCTGCCTCCTG
 GGCACCAGCAGGAATTTGCCGACGAGCAACAGCACCCCAACCCTCCTGGTCTTCCAGAGAAGCAA
 GTCCTTGTTTTGTTTGGCCACGGGAGGCCCTCCTGGCCTCCTCAGCTGAACCACAGTGTTTTCAAAC
 ACAGGTGCCCCAGGGCACAGGGCATCAGAGTGGAGGCATGGCCACCTCCTCTCCATCGATGACCTAGAGG
 GGGCCAGGAGACAGCGTGGACACAGGCTGCGGTGCTCTCATCGGACCTGTCTGTGGTCTCTGCATA
 TTCTGCACCCAGTAGGTTCTGCAGCAGTGGAGACACCCCTCCCTCCGAAAGATGCAGCAGCCACTGG
 GCAGCTCACAAAGGATTCAGGGAGGGACCACTGCCCACTGTGAGCAGGGTGACCACAGAGGCTCCTGGG
 CTTCCCTCCCTTTCTTACCAAAAGGTCTTCCAGCTCCTCAGCGACAGCTCGTGTGCTCCCCAGCTCC
 CAGCACCTCCACCCTCAGAGCTCCTCCACAGCTCCCATGCGATACCCCAAGTCAAGCAGACTGAT
 GGAGACATGCCACCACCCAGGGTCGGTGGCCCCGGGATAACGACATGGAGGAATTCTACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224150 representing NM_145019
 Red=Cloning site Green=Tags(s)

MDPKAGGGGEEDDCVDSGAETGGS DYSHLSSTSNFSTWRMPCLFLYCTHGDKEKGRWSLQVEHTWPSG
 ELSVEEAQDPFLVSIHIIADPGESQPLQEAIDNVLAWIHPDLPLFRVSERRASRRRRKPKGAQPALAVV
 LFLQEEYGEEQILQLHRTLQPPWRHHHTEQVHGRFLPYLPCSQDFFTLAPGTPLWAIRPVHYGKEIVRF
 TVYCRYDNYADSLRFYQLILRRNPSQKKADFCIFPIFSNLDVDIQFSLKRLPCDQCPVPTDSSVLEFRVR
 DIGELVPLLPNPCSPISEGRWQTEDHDGNKILLQAQRVHKFKPKGRVHHASEKKRHSTPLPSTAVPSHT
 PGSSQQSPLNSPHPGPIRTGLPPGHQEFAGRANSTPNPPWSFQSKSLFCLPTGGPSLASSAEPQWFSN
 TGAPGHRASEWRHGLLSIDDEGAQETDVTGLRLSSDL SVVSAYSAPSRFCSTVETPLPSERCSSHW
 AAHKDSREGPLPTVSRVTTEASWASLPFFTKRSSSSSATARAAPPSTSTLTDSSQLPCDTPKVQTD
 GDMPPPPGSAGPGDNDMEEFYI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145019

ORF Size: 1746 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.

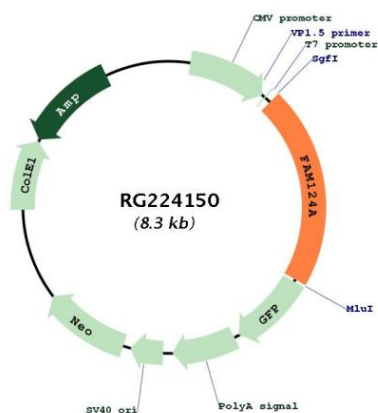
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_145019.2](#), [NP_659456.2](#)

RefSeq Size: 2104 bp

RefSeq ORF: 1749 bp
 Locus ID: 220108
 UniProt ID: [Q86V42](#)
 Cytogenetics: 13q14.3

Product images:



Circular map for RG224150