

Product datasheet for **RG226842**

FAM90A7 (NM_001136572) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM90A7
Synonyms:	FAM90A7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG226842 representing NM_001136572
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGGCAGTCGGGACCCCAATCTTGGCCAAGAGACTGGTGAGAGCCAGACCCTCCAGAAGCAGC
 GGAGGGCCCCAGTTGGGCCAAGGTCTCCCCGCCCGATGAAGAAGATCCCAGGCTCAAGTGCAAAAACCTG
 CGGGGCTTTGGCCACACGGCCAGAAGTACCAGGTGCCCATGAAGTGTGGAAGGCAGCCCTGTTTCCA
 GCGACCTTGGGAAAAAGGAAGGGAAGGAAACCTGAAACCATGGAAGCCCCGGGTGAAGCCAACCCGG
 GGCCCTTGAACAAGGATAAGGGAGAGAAGGAAGAGAGACCAAGGCAACAAGACCCGAGAGGAACGCTCT
 CCTCCACATGTTTTCCGGGAAACCTCCAGAGAAGCCGCTGCCGAATGGAAAAGGATCCACGGAATCTTCC
 GAGCATCTGAGGTTGCAAGCGGGCAATGCCGGTCCACACAACCAAGTAAGAGGCCGCGCTGGACCCTG
 TCCTCGCTGATCGCTCAGCTACCGAAATGTCTGGCAGGGGCTCCGTCTTGGCTTCACTGTCTCCCTCAG
 AAAAGCCAGCCTGAGCTCCTCTCAAGTCTTGGACCAAGGAAAGACAGACAGGGGCTGCGGCCGACATC
 CCTCAGCCTGCATTCAAGCACCAGGGCCCCGAGCCTCTCCTCGTGGTGAAGCCGACACACAGCAGCCCTG
 AGGGTGGTGCCGAGAAGTTCCCCAGGCTGCCTCCAAAACCCACGGCCTGCTCCAGGCCGTGAGACCCCA
 GGCACAAGACAAACGTCTCGGGTACCTCACAGCCCTGCCCGCCAGCCGCCACACAGCTTGGGCCTA
 GGCTCAATCTCAGCTTCGGGCCAGGAGCCAAGAGACTGCCAGGCTCCGATTAGGCTTGCCTGAACCT
 TCCCCAAGAAACCGAGACTGGGTCCCTTCCAGATCCCCGAAAGCGCCATCCAGGGAGGTGAGCTGCGGGC
 CCCGAGAATCTCCAACCTCCGCCAGCCGCAACCGAACTTGGACCAAGTACGTGCGCCAGATGGGCAGG
 AGGACACCGGCCAGGTGCCAGCGTCGACCGGCAGCCTCCGCACAGCACACCTTGCCTGCCTACTGCC
 AGGCTGCACCATGTCCATCAGCCAGCGCCGCCATGATGGGGCCAGCCTCTCAGAGTGCTCTTCCG
 GAGACTGGAACCGAGCCTGGAGCTCCAGCCTCTGGCCGCCCTCATTCTACTCTCTGAGAAGCCG
 GGAGCCTTCTCGCTCAGAGCCCTCATGTGTGAGAGAAGTCTGAGGCTCCCTGTGTTCTGTGTTCCACCGA
 GCGTCTCTATGAGGACCTCAGGTTTCTCTCTCTCAGAGGACAGCGATTCTGACCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

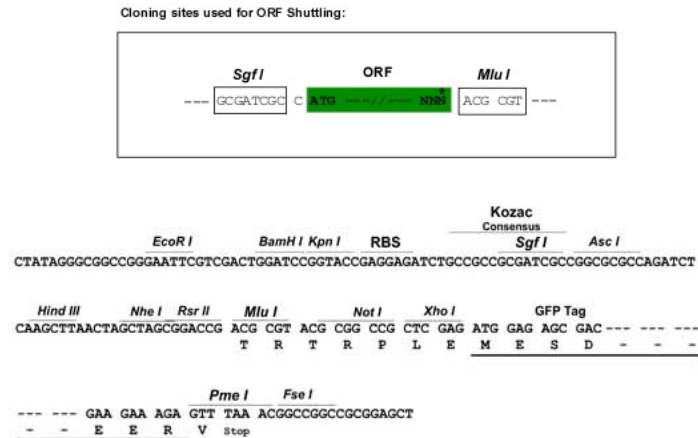
Protein Sequence: >RG226842 representing NM_001136572
 Red=Cloning site Green=Tags(s)

MMARRDPKSWAKRLVRAQTLQKQRRAPVGPSPPPDEEDPRLKCKNCGAFGHTARSTRCPMKCWKAALVP
 ATLKGKKGKLENLKPWKPRAEANPGPLNKDKGEKEERPRQDPQRNALLHMFSGKPPEKPLPNGKGSTESS
 EHLRVASGPMVHTTSKRPRVDPVLADRSATEMSGRGSVLASLSPLRKASLSSSSSLGPKERQTGAADI
 PQPAFRHQPEPLL VVKPTHSSPEGCREVPQAASKTHGLLQAVRPQAQDKRPVTSQPCPPAATHSLGL
 GSNLSFGPGAKRPAQAPIQAACLNFPKPKRLGPFQIPESAIQGGELRAPENLQPPPAATELGPSTSPQMGR
 RTPAQVPSVDRQPPHSTPCLPTAQAQCTMSHHPAAGHDGAQPLRVLFRRLENGRWSSSLLAAPSFSHSEPKP
 GAFLAQSPHVSEKSEAPCVRVPPSVLYEDLQVSSSSEDSDSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001136572

ORF Size: 1392 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:

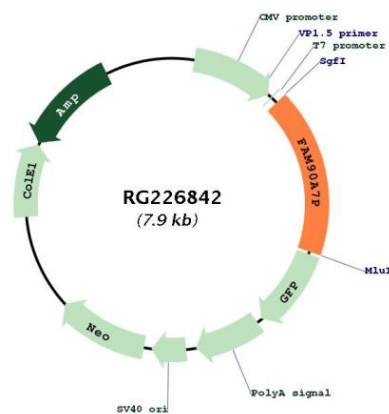
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001136572.1](#), [NP_001130044.1](#)

RefSeq Size:	1957 bp
RefSeq ORF:	1394 bp
Locus ID:	441317
Cytogenetics:	8p23.1
Gene Summary:	FAM90A7 belongs to subfamily II of the primate-specific FAM90A gene family, which originated from multiple duplications and rearrangements (Bosch et al., 2007 [PubMed 17684299]). For background information on the FAM90A gene family, as well as information on the evolution of FAM90A genes, see FAM90A1 (MIM 613041).[supplied by OMIM, Oct 2009]

Product images:



Circular map for RG226842