

Product datasheet for **RG228383**

FAM90A14 (NM_001164452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM90A14
Synonyms:	FAM90A14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG228383 representing NM_001164452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGATGGCAGTCGGGACCCACATCTTGGCCAAGAGACTGGTGAAGCCAGACCCCTCCAGAAGCAGC
 GGAGGGCCCCAGTTTGGGCAAGGGCTCCCCCGCCGATGAAGAAGATCCCAGGCTCAAGTGCAAAAAGT
 CGGGGCTTTGGCCACACGGCCAGAAGTACCAGGTGCCCCATGAAGTGTGGAAGGCAGCCCTGTTTCCA
 GCGACCTTGGGAAAAAGGAAGGGAAGGAAACCTGAAACCATGGAAGCCCCGGGTTGAAGCCAACCCGG
 GGCCCTTGAACAAGGATAAGGGAGAGAAGGAAGAGAGACCAAGGCAACAAGACCCGAGAGGAAGGCTCT
 CCTCCACATGTTTTCCGGGAAACCTCCAGAGAAGCCGCTGCCGAATGGAAAAGGATCCACGGAACCTTCT
 GATTATCTGAGGTTGCAAGCGGGCAATGCCGGTCCACACAACAGTAAGAGGCCGCGCTTGGACCTG
 TCCTCGCTGATCGCTCAGCTACCGAAATGTCTGGCAGGGGCTCCGTCTTGGCTTCACTGTCTCCCTCAG
 AAAAGCCAGCTGAGCTCCTCTCAAGTCTTGGACCAAGGAAAGACAGACAGGGGCTGCGGCCGACATG
 CCTCAGCCTGCAGTCAGGCACCGGGCCGCGAGCCTCTCCTCGTGGTGAAGCCGACACACAGCCGCCCG
 AGGGTGAAGTCCCGAGGCTGCCTCCAAAACCCACGGCCTGCTCCAGGCCGCGCAGACCCCA
 GGCACAAGACAAACGTCTCGGGTACCTCACAGCCCTGCCCGCCAGCCGCCACACAGCTTGGGCTA
 GGCTCAATCTCAGCTTGGGCCAGGAGCAAGAGACTGCCAGGCTCCGATTCAGGCTTGCCTGAAGT
 TCCCCAAGAAACCGAGACTGGGTCCCTTCCAGATCCCCGAAAGCGCCATCCAGGGAGGTGAGCTGGGGG
 CCGGAGAATCTCAACCTCCGCCAGCGCAACCGAAGTGGACCAAGTACGTCGCCCCAGATGGGAGG
 AGGACACCGGCCAGGTGCCAGCTCGACCGGCAGCCTCCGCACAGCAGACCTTGCCTGCCACTGCC
 AGGCTGCACCATGTCCATCAGCGGCCAGCCATGATGGGGCCAGCCTCTCAGAGTGTCTTCCG
 GAGACTGGAACCGAGCTGGAGCTCCAGCCTCTGGCGGCCCTCATTCTACTCTCTGAGAAGCCG
 GGAGCCTTCTCGCTCAGAGCCTCATGTGTAGAGAAGTCTGAGGCTCCCTGTGTTCTGTCGCCACCGA
 GCGTCTCTATGAGGACCTCAGGTTTCTCTCTCTCAGAGGACAGCGATTCTGACCTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG228383 representing NM_001164452
 Red=Cloning site Green=Tags(s)

MMARRDPTSWAKRLVRAQTLQKQRRAPVGPRAAPPDEEDPRLKCKNCGAFGHTARSTRCPMKCWKAALVP
 ATLKGKEGKENLKPWKPRVEANPGPLNKDKGEKEERPRQDPQRKALLHMFSGKPPEKPLPNGKSTEPS
 DYLRVASGPMVHTTSKRPRLDVPLADRSATEMSGRGSLASLSPLRKASLSSSSSLGPKERQTGAADM
 PQPAVRHQGREPLL VVKPTHSRPEGDREVPQAASKTHGLLQAARQAQDKRPVTSQPCPPAATHSLGL
 GSNLSFGPGAKRPAQAPIQAACLNFPKPKRPLGPFQIPESAIQGGELGAPENLQPPPAATELGPSTSPQMGR
 RTPAQVPSVDRQPPHSRPLPTAQAQCTMSHHPAASHDGAQPLRVLFRRLENGRWSSSLLAAPSFSHSEPKP
 GAFLAQSPHVSEKSEAPCVRVPPSVLYEDLQVSSSSEDSDSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001164452

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:

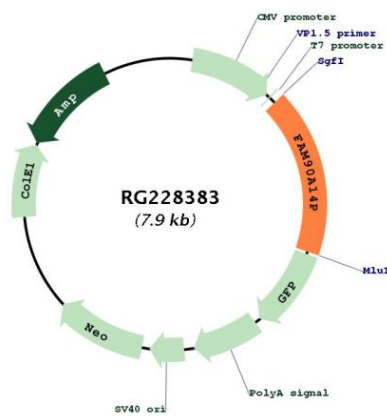
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001164452.1](#), [NP_001157924.1](#)

RefSeq Size:	1395 bp
RefSeq ORF:	1394 bp
Locus ID:	645651
Cytogenetics:	8p23.1
Gene Summary:	FAM90A14 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, May 2010]

Product images:



Circular map for RG228383