

## Product datasheet for **RG206477**

### FAM90A1 (NM\_018088) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM90A1 (NM_018088) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM90A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206477 representing NM_018088 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGCACGTCGTGACCCCAAACCTGGGGCAAAGAGACTGGTGAAGAGCCAGACCCCTCCAGAAGCAGC  
GGAGGGCCCCAGTTGGGCCAAGGGCTCCCCGCCGATGAAGAAGATCCCAGGCTCAAGTGCAAAAACCTG  
TGAGGCCCTTTGGCCACACGGCCAGAAGTACCAGGTGCCCCATGAAGTCTGGAAGGCAGCCCTGGTTCCA  
CCGAACCTTTGGGAAAAGGAAGGAAGGAAAACCTGAAACCATGGAAGCCCCAGGTTGAAGCGAACCCCTG  
GGCCCTTGAACAAGGATAAGGGAGAGAAGGAAGAGACCAAGGCCACAAGACCCGAGAGGAGGCTCT  
CCTCCACATATTTCCGGGAAACCTCCAGAGAAGCCGCTGCCAAATCAAAAAGGATCCACGGAATCTTCT  
GATTATCTGAGGGTTGCAAGCGGGCAATGCCGGTCCACACAACCAAGTAAGAGGCCCGGTGGACCCCTG  
TCCTCTCTGATCGCTCAGCTACCGAAATGTCTGACAGGGGCTCCGTCTTAGCTTCACTGTCTCCCCTCAG  
AAAAGCCAGTCTGAGCTCCTCTCAAGTCTTGACCAAAGGAAAGACAGACAGGGGCTGCGGCCGACATC  
CCTCAGACTGCAGTCAGGCACAGGGCCCCGAGCCTCTCCTCGTGGTGAAGCCGACACACAGCAGCCCTG  
AGGGTGGCTGTCGAGAAGTTCCCAGGCTGCCTCCAAAACCCACGGCCTGCTCCAGGCCCCAGACCCCA  
GGCACAAGACAACGTCCTGCGGTGACCTCACAGCCCTGCCACCAGCCGCCACACAGCTTGGGCCTA  
GGCTCAAATCTCAGTTCGGGCCAGGAGCAAGAGATCTGCCCGGCTCCGATTCAGGCTTGCTGAACT  
TCCCAAGAAACCGAGACTGGGTCCCTCCAGATCCCCGAAAGCGCCATCCAGGGAGGTGAGCTGGGGC  
CCCGGAGAATCTCCAACCTCTGCCAGCCGAACCGAACTTGACCACGTACGTCACCCAGATAGGCACG  
AGGACACCCGCCAGGTGCTTAGCGGCGACCGGCAGCCTCCGCACAGCAGACCTTGCTGCTACTGCC  
AGGCTGCACCATGTCCCATCACCCAGCGGCCAGCCATGATGGGGCCAGCCTCTCAGAGTGTCTTTTCG  
GAGACTGGAAAACGACGCTGGAGCTCCAGCCTGCTGACGGCCCCCTCATTTCACTCTCTGAGAAGCCG  
GGAGCCTTCTCGCTCAGAGCCCTCATGTCTCAGAGAAGTCTGAGGGTCCCTGTGTTCTGTGCCACCA  
CGCTCTCTATGAGGACCTTCAGGTTCCCTCCTCCTCAGAGGACAGCGATTCTGACCTGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206477 representing NM\_018088  
 Red=Cloning site Green=Tags(s)

MMARRDPKPGAKRLVRAQTLQKQRRAPVGPAPPDEEDPRLKCKNCEAFGHTARSTRCPMKCWKAALVP  
 PNFGEKEGKENLKPWKQVEANPGPLNKDKGEKEERPRPQDPQRKALLHIFSGKPPEKPLPNQKGSTESS  
 DYLRVASGMPVHTTSKRPRVDPVLSDRSATEMSDRGSLASLSPLRKASLSSSSSLGPKERQTGAAADI  
 PQTAVRHQGPPELLLVKPTHSSPEGGCREVPQAASKTHGLLQAARPQAQDKRPAVTSQPCPPAATHSLGL  
 GSNLSFGPGAKRSAPAPIQAQLNFPKPKRLGPFQIPESAIQGGELGAPENLQPLPAATELGPRTPSPQIGT  
 RTPAQVLSGDRQPPHSRCLPTAQACTMSHHPAASHDGAQPLRVLFRLENGRWSSLLTAPSFHSPEK  
 GAFLAQSPHVSEKSEGPCVRVPPSVLYEDLQVPSSESDSDLE

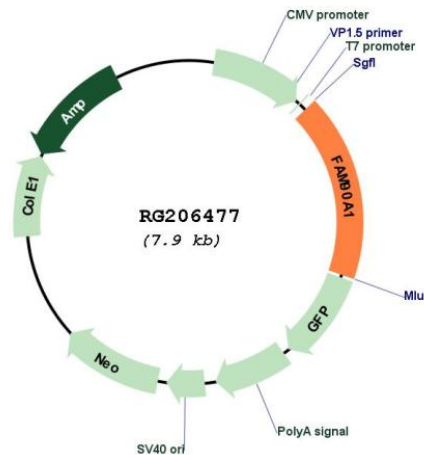
TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



ACCN:	NM_018088
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. <a href="#">More info</a>
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:	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
RefSeq:	<a href="#">NM_018088.2</a> , <a href="#">NP_060558.2</a>
RefSeq Size:	2353 bp
RefSeq ORF:	1395 bp
Locus ID:	55138
UniProt ID:	<a href="#">Q86YD7</a>
Cytogenetics:	12p13.31
Gene Summary:	FAM90A1 belongs to subfamily I of the primate-specific FAM90A gene family, which originated from multiple duplications and rearrangements (Bosch et al., 2007 [PubMed 17684299]). [supplied by OMIM, Oct 2009]