

Product datasheet for **RG218168**

FAM169A (NM_015566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM169A (NM_015566) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM169A
Synonyms:	SLAP75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG218168 representing NM_015566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATTCCCTGTGGATATGCTGGAAAATTGCAGCCATGAGGAATTGGAAAATTCTGCTGAAGATTACA
 TGTGAGATTTAAGGTGTGGGGACCCTGAAAATCCAGAGTGTCTTCTCTCAATATTACGATTCCCTAT
 TAGCCTGTCAAATGTAGGCTTTGTACCTCTTTATGGTGGAGATCAGACCCAGAAAATTTCTGCTCTCTT
 GCACCTGAAGATTCAGTACAGCTGTGGCACTTTACCTTGCTGATCAGTGGTGGGCTATTGATGATTTG
 TGAACACATCTGTTCTTCAAGAGAGGGGCTTAAGCAGGTGAGCACTCTTGGGGAGAGAGTGGTTCTGTA
 TGTTCTGAATCGAATTATTTATAGAAAACAGGAAATGGAGAGAAATGAGATCCCATTCTGTGTCATAGC
 AGTACTGATTATGCTAAGATTCTGTGGAAGAAAGGAGAGGCCATTGGGTTTTATTCAGTTAAGCCTACAG
 GAAGCATATGTGCCTCTTTCTTACCCAAAGTTACCAATTGCCAGTCTTGATACAATGTTTCTAAGAAA
 GAAATACAGAGGTAAGATTTTGGGCTTACATGCTGGAGGACTTGTGTTGATTCTTTACAGAAGATGCG
 CTTGGCTTGCAGTATCCACTGTCTTCTCTCATGTATACAGCTTGAAGCAATACTTTGAGAAGTATCCAG
 GAGACCATGAACCTCTTTGGGAAGTTGAAGGTGTTGGACACTGGTACCAGCGAATACCAGTCACCAGAGC
 ATTACAAAGAGAAGCACTTAAAATTCTAGCACTTTCTCAAATGAACCTAAAAGACCTATGTCTGGAGAA
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 CTATTGATTCTCTAAAAGATGCCTTTGCAAGCACTTCCGAAGGTCATGATAAAACATCTGTTTCCACTCA
 TACTCGAAGTGGTAATCTAAAGCGGCCAAAGATTGGAAGCGGTTTCAGGATTCTGAATTTAGCAGTTCT
 CAAGGTGAAGATGAAAAGACCTCCAGACTTCACTTACAGCTTCAATAACAATTTGGAGTCTACTGCAC
 GCCATCAGAGAGCTCAGAAGAATTCCTGGAAGAAGAACCTGAACAGAGAGGGATTGAATTTGAGGATGA
 AAGCAGTGATAGAGATGCACGGCCAGCACTGGAACCCAGCCACAGCAAGAGAAGCAAGATGGTGAAGAAG
 GAATCTGAATTAGAGCCTATGAATGGTGAAGATAATGGACGATTCTCTAAGACCTCACTTATAACAGAAG
 AGGAAGACTCCACTAGTGAAGTTTTAGATGAAGAATAAAATTGCAGCCTTTTAATTCCAGTGAAGACTC
 TACAAATCTTGTCCACTGGTGGTGAATCTTCAAACCCCTGAGGTAGATGCACCAGATAAGACCCCA
 CGTATACCTGACTCAGAAATGTTGATGGATGAAGGCACATCTGATGAAAAGGGGCACATGGAAGAGAAAT
 TGTCCCTACTTCCAAGAAAGAAAGCACATCTTGGGAGTTCAGACAATGTTGCTACTATGTCAAATGAAGA
 ACGATCTGATGGTGGTTTTCAAACCTCTGTGATAGCTGAATTTTCCGAAGAACCAGTCTCTGAGAATTTG
 TCTCCTAATACTACTTCTCATTGGAAGACCAGGGTGAGGAGGGGTATCTGAGCCCAGGAAACATCTA
 CTGCTCTTCTCAGAGTTCTTTGATAGAGTTGAACTTGAAGACGTGCCATTTTACAGAATGCAGGACA
 GAAGAATCAGTCAGAGGAGCAGTCTGAAGCATCTTCCGAGCAACTGGATCAGTTTACACAATCGGCAGAA
 AAAGCTGTGGATAGCAGCTCAGAGGAAATAGAAGTGAAGTGCCTGTGGTAGACAGGCGGAATTTAAGAA
 GAAAGGCCAAAGGGCATAAAGGACCTGCTAAGAAGAAAGCTAAGCTGACC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG218168 representing NM_015566
 Red=Cloning site Green=Tags(s)

MAFPVDMLENC SHEE LENS AEDYMSDLRCGDPENPECF SLLNITIPISLSNVGFVPL YGGDQTQKILALF
 APEDSLTAVALYLADQWVAIDDI VKT SVPSREGLKQVSTLGERVLYVLNRIIYRKQEMERNEIPFLCHS
 STDYAKILWKKGEAIGFYSVKPTGSICASF LTQSYQLPVLDTMFLRKKYRGKDFGLHMLEDFVDSFTEDA
 LGLRYPLSSLMYTACKQYFEKYPGDHELLWEVEGVGHWYQRIPVTRALQREALKILALSQNEPKRPMSEGE
 YGPASVPEYEARTEDNQSEMQLTIDSLKDFAFASTSEGHDKTSVSTHTRSGNLKRPKIGKRFQDSEFSSS
 QGEDEKTSQTSLTASINKLESTARPSESSEEFLEEPEQRGIEFEDESSDRDARPALETQPQEQDGEK
 ESELEPMNGEIMDDSLKTSLITEEEDSTSEVLDEELKLQPFNSSEDSTNLVPLVVESSKPPVDAPDKTP
 RIPDSEMLMDEGTSDEKGMEEKLSLLPRKKAHLGSSDNVATMSNEERSDGGFPNSVIAEFSEEPVSENL
 SPNTTSSLEDQGEEGVSEPQETSTALPQSSLIEVELEDVPFSQNAQKNQSEEQSEASSEQLDQFTQSAE
 KAVDSSSEIEVEVPVDRRNLRRKAKGHKGP AKKKAKLT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_015566

ORF Size: 2010 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_015566.3](#)

RefSeq Size: 5942 bp

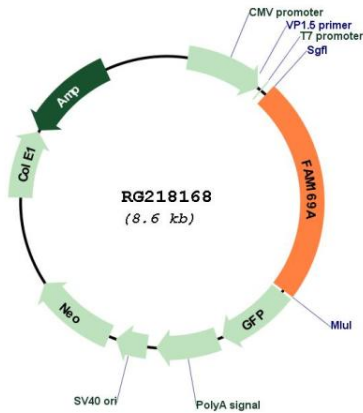
RefSeq ORF: 2013 bp

Locus ID: 26049

UniProt ID: [Q9Y6X4](#)

Cytogenetics: 5q13.3

Product images:



Circular map for RG218168