

## Product datasheet for **RG236742**

### FAM3A (NM\_001282312) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM3A (NM_001282312) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM3A
Synonyms:	2.19; DLD; DXS560S; XAP-7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236742 representing NM_001282312. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGTTGGCAGGCCCTCTCCGATTGTGGTCTAGTCGTAGTGTGGGTGTCACATGGATCGTGGTC
AGCATCCTCCTGGGTGGCCTGGCAGTGGCTTTCTCGCATCCAGCAACTCTTCACCAGTCCAGAGAGC
TCGGTGACTGCAGCGCCACGGGCCAGGAAGTACAAGTGTGGCCTGCCCCAGCCGTGTCTGAGGAGCAC
CTGGCCTCCGCGTGGTCAGCGGGCCGCCAACGTCATTGGGCCAAGATCTGCCTCGAGGACAAGATG
CTGATGAGCAGCGTCAAGGACAACGTGGCCCGGGCTGAACATCGCCCTGGTGAACGGGGTCAGCGGC
GAGCTCATCGAGGCCCGGCCTTTGACATGTGGCCGGAGATGTCAACGACCTGTTGAAGTTTATTCGG
CCACTGCACGAAGGCACCCTGGTGTTCGTGGCATCTACGACGCCAGCCACCAAGATGAATGAAGAG
ACCAGAAAGCTCTTCAGTGAGCTGGGCAGCAGGAACGCCAAGGAGCTGGCCTCCGGGACAGCTGGGTG
TTTGTCCGGGCCAAGGGTGTGCAGAACAGAGCCCTTTGAGCAGCACGTGAAGAACAGTAAGCACAGC
AACAAAGTACGAAGGCTGGCCCGAGGCGCTGGAGATGGAAGGCTGTATCCCGGGAGAAGCACGGCCAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236742  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRLAGPLRIVVLVSVGVTWIVVSILLGGPGSGFPRIQQLFTSPSSVTAAPRARKYKCGLPQPCPEEH  
 LAFRVVSAAENVIGPKICLEDKMLMSSVKDNGRGLNIALVNGVSGELIARAFDMWAGDVNDLLKFIR  
 PLHEGTLVVFVASYDDPATKMNEETRKLFSSELGSRNAKELAFRDSWVVFVAKGVQNKSPFEQHVKNSKHS  
 NKYEGWPEALEMEGCIPRRSTAS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282312

**ORF Size:** 690 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).

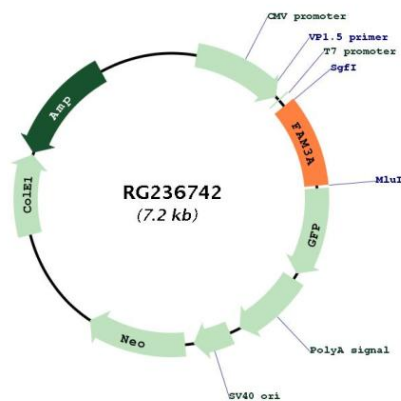
**RefSeq:** [NM\\_001282312.2](#)

**RefSeq Size:** 1665 bp

**RefSeq ORF:** 693 bp

**Locus ID:** 60343  
**UniProt ID:** [P98173](#)  
**Cytogenetics:** Xq28  
**Protein Families:** Secreted Protein, Transmembrane  
**MW:** 25.6 kDa  
**Gene Summary:** This gene encodes a cytokine-like protein. The expression of this gene may be regulated by peroxisome proliferator-activated receptor gamma, and the encoded protein may be involved in the regulation of glucose and lipid metabolism. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

### Product images:



Circular map for RG236742