

## Product datasheet for **RG202291**

### **C16orf9 (FAM234A) (NM\_032039) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C16orf9 (FAM234A) (NM_032039) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C16orf9
Synonyms:	C16orf9; gs19; ITFG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG202291 representing NM\_032039  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGGACCACAAGGACTTAGAGGCCGAAATCCACCCCTTGAAAAATGAAGAAAGAAAATCGCAGGAAA  
 ATCTGGGAAATCCATCAAAAAATGAGGATAACGTGAAAAGCGCGCTCCACAGTCCCGGCTCTCCGGTG  
 CCGAGCGCGCGCTTTTTCTTTTATTGTTTCTCTGCCTTTTTGTGGTTCGTCGCTCATTCTGCATC  
 CCGTGTCCAGACCGCGCGCTCACAGCGAATGTGGAGGATAGACTACAGTGCCTGTTATCTATGACT  
 TTCTGGCTGTGGATGATAAAACGGGGACAGGATCCAAGATGTTCTTTTTCTTTAAAAACACCAACAG  
 CAGCAACAATTTAGCCGATCCTGTGTGGACGAAGGCTTTTCTCTCCCTGCACCTTTGCAGCTGCTGTG  
 TCGGGGGCAACGGCAGCAGCTCTGGGAGAGACCTGTGGCCAAAGACGTGGCCCTCGTGGAGTGTGCTG  
 TGCCCCAGCCAAGAGGCAGTGAGGCACCTTCTGCCTGCATCCTGGTGGGACAGCCAGTTCTTTTATTGC  
 AGTCAACTTGTTCACAGGGGAAACCTGTGGAACACAGCAGCAGCTTCAGCGGGAATGCGTCCATCCTG  
 AGCCCTCTGCTGACGGTGCCTGATGTGGACGGCGATGGGGCCCCAGACCTGCTGGTTCTACCCAGGAGC  
 GGGAGGAGGTTAGTGGCCACCTCTACTCCGGCAGCACCGGGCACCAGATTGGCCTCAGAGGCAGCCTTGG  
 TGTGGACGGGAAAGTGGCTTCTCTTACAGTACCAGGACAGGTGCCACTACATCCTTTCCCTGC  
 GCAAGTCCCTCTGCGGCTGCTCTGTGAAGGTCTCTACGAGAAGGTGACCGGGAGCGCGGCCCGTTCA  
 AGAGTGACCCGCACTGGGAGAGCATGCTCAATGCCACCACCCGAGGATGCTTTCCACAGCTCTGGAGC  
 AGTGGCTACCTGATGCATGTCCAGGGAACCGCGGTGCAGATGTGCTTCTGTGGGCTCAGAGGCCCTC  
 GTGCTGTGGACGGCAGGAGCTGACGCTCGCTGGACACCAAGGCAGCCATGCTCTGAGAAAACCCA  
 TCTTCGGCCGCTACAAACCAGACACCTTGGCTGTAGCCGTTGAAAACGGAAGTGGCACGACAGAGAT  
 CCTGTTTTCTGGACCTTGGCACTGGAGCCGCTGTGTAGCCTAGCCCTCCGAGCCTCCCTGGGGTCCA  
 CTGTCCGCCAGCCTGCCACCGCAGACACCGCTCAGCCTTCTTCTTCTGGGGCTCCACAGACTGGGGA  
 GCACCAGCGAGACGGAGACCGGGGAGGCCCGGCACAGCCTGTACATGTTCCACCCACCCTGCCGCGCT  
 GCTGCTGGAGCTGGCAAATGTCTCTACCCACATTTGTCGCTTTGACGCGCTCCTGTTTGGCCAAGCCGC  
 CACGCCGCTACATCCTTCTGACAGGCCCGGCAGACTCAGAGGCACCCGGCCTGGTCTCTGTGATCAAGC  
 ACAAGGTGCGGGACCTTGTCCAAAGCAGCAGGGTGGTCCGCTGGGTGAGGGTGGCCAGACAGTGACCA  
 AGCCATCAGGGACCGGTTCTCCCGCTGCGGTACCAGAGTGAGGCG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

**Protein Sequence:**

>RG202291 representing NM\_032039  
 Red=Cloning site Green=Tags(s)

MLDHKDLEAEIHPLKNEERKSQENLGNPSKNEEDNVKSAPPQSRLSRCRAAFFLSLFLCLFVVFVVSFVI  
 PCPDRPASQRMWRIDYSAVIYDFLAVDDINGDRIQDVLFLYKNTNSSNNFSRSCVDEGFSSPCTFAAAV  
 SGANGSTLWERPVAQDVALVECAVPQPRGSEAPSACILVGRPSSFIAVNLFTGETLWNHSSFSGNASIL  
 SPLLQVPDVGDDGAPDLLVLTQEREVSGHLYSGSTGHQIGLRGSLGVDGESGFLHVTTRTGAHYILFPC  
 ASSLCGCSVKGLYEKVTGSGGPFKSDPHWESMLNATRRMLSHSSGAVRYLMHVPGNAGADVLLVGSEAF  
 VLLDQQLTPRWTPKAAHVLKPKIFGRYKPDTLAVAVENGTGDRQILFLDLGTGAVLCSLALPSLPGGP  
 LSASLPTADHRSAFFFWGLHELGSTSETETGEARHSLYMFHPTLPRVLELANVSTHIVAFDAVLFEPSR  
 HAAAYILLTGPADSEAPGLVSVIKHKVRDLVPSRVVRLGEGGPDSDQAIRDRFSRLRYQSEA

**TRTRPLE** – GFP Tag – **V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_032039

**ORF Size:** 1656 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\\_032039.4](#)

**RefSeq Size:** 2939 bp

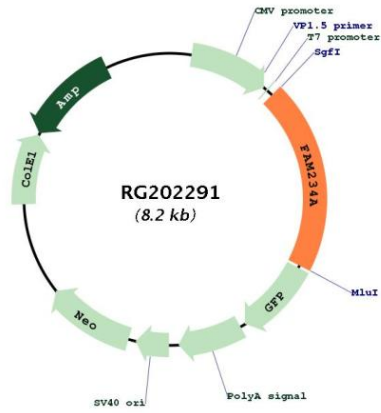
**RefSeq ORF:** 1659 bp

**Locus ID:** 83986

**UniProt ID:** [Q9H0X4](#)

Cytogenetics: 16p13.3  
 Domains: FG-GAP  
 Protein Families: Transmembrane

**Product images:**



Circular map for RG202291