

Product datasheet for **RG206382**

C12orf34 (FAM222A) (NM_032829) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C12orf34 (FAM222A) (NM_032829) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C12orf34
Synonyms:	C12orf34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206382 representing NM_032829
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGCCTGTCTGCAGAGACCAGAACGCCCGGGCCAACACCTGGCCTGCCGAGCAAGAGCCTGG
 AGCTGCGCAAGTGCAGGCGGTGCCAGCGCCATGCATTCTCCCGCTACCCGAGCCAGCAGAAGTGG
 CGCCTATGCCGAGAAGGTGGCCAACAGCCCGCTGTCCATCAAGATCTTCCCCACCAACATCCGTGTGCC
 CAGCACAAAGCACCTCAGCCGCACAGTCAATGGCTATGACACCAGTGGCCAGCGCTACAGCCCTACCCAC
 AGCACACCCGTGGCTACCAGGGCCTTCTGGCCATTGTCAAGGCCGCGGTTTCTCTCCAGCACGGCCGC
 ACCAGCTGGGCCCGCCAAAAGTGTGCTCAAGAGCGCCGAGGGCAAGCGGACCAAGCTGTACCCGGCCGC
 GTGCAGGTGGGATTGCGCCCTACCCAGTGCCAGCACTCTGGGTCCTTGGCTACCCCAAGCCACCTG
 AGGCGCCTGCTCCACCACCCGGCCTGCCCGCAGCCGCACTGCCGCTCCGTATCCCCCTGCCGGGCCG
 GGGCCTGCCCTGCCACCTTCCAACCTGCCCTCCATCCACAGCCTCCTGTACCAGCTCAACCAGCAGTGC
 CAGGCCCCGGGCCCGCCACCCCTGCCTGCCAGGGCATGGCTATTCCCATCCCAGCCCTGCCAAGCAGC
 GCCAGTGCCAGCTTCCCCAGCATGGCTACTCGGCTGCAGCCGGTCTGCCCGACTGCCGAAAGGCAC
 TGAGCTGGGCCAGGGAGCCACCAAGCCTTGACGTTGGCTGGGGCCGCAAGCCTGCAGGGTACGCAGAC
 AGCGGCCCTGGATTACCTGCTGTGGCCGAGAAACCGCCCCACCGCCCGCCAGCCACTGCGTGCCCTACA
 GTGGGAGCACGGTGGCCAGCAAGTCCCCTGAGGCTTGGGGGGCCGGGCATACGAGCGGGCCAGCGGGTC
 ACCCCTCAACTGTGGCGTGGGGCTGCCACCAGCTTACCCTAGGCCAGTACTTTGGCGCCCGTGGAAAC
 AGTGTGCTGGTGACACCACAGCAGTGTACAACCCAGCGCGCGGTGGTGGTACGGAGCTGGGGC
 CGGGGGCAGCCGGGAGCTGGCTGGGCCCTGCAGATGCCCTCGGGCCTGCCAGCAAGAGTGTGTG
 CAACACATCGGTGCTGAGCAGCAGCCTGCAGTCACTGGAGTATCTCATCAACGACATCCGGCCGCCCTGC
 ATCAAGGAGCAGATGCTGGGCAAGGGCTATGAGACGGTGGCCGTGCCCGGCTACTCGACCACCAGCATG
 CCCACATCCGCTACCCGTCTACAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG206382 representing NM_032829
 Red=Cloning site Green=Tags(s)

MLACLQRTQNAPGQHLACPSKSLELRKCEAVASAMHSSRYPSAELDAYAEKVANSPLSIKIFPTNIRVP
 QHKHLRTVNGYDTSGQRYSPYPQHTAGYQGLLAIVKAAVSSSSTAAPAGPAKSVLKSAEGKRTKLSAAA
 VQVGIAPYPVPSLGLAYPKPEAPAPPPGLPAAATAASVIPLPGRGLPLPPSNLPSIHSLLYQLNQCC
 QAPGAAPPACQGMaipHPSPAKHGVPVSPFSPMAYSAAGLPDCRKGTELGGATQALTLAGAAPPAGYAD
 SGLDYLLWPQKPPPPPPQPLRAYSGSTVASKSPEACGGRAYERASGSPLNCGVGLPTSFTVGOYFAAPWN
 SVLVPTSDCYNPAAAVVTELGPGAARELAGPPADALSGLPSKSVCNTSVLSSSLQSLEYLINDIRPPC
 IKEQMLGKGYETVAVPRLLDHQHAHIRLPVYR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_032829

ORF Size: 1356 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_032829.3](#)

RefSeq Size: 2731 bp

RefSeq ORF: 1359 bp

Locus ID: 84915

UniProt ID: [Q5U5X8](#)

Cytogenetics: 12q24.11

Product images:



Circular map for RG206382