

Product datasheet for **RG229751**

Interleukin 34 (IL34) (NM_001172772) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Interleukin 34 (IL34) (NM_001172772) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IL34
Synonyms:	C16orf77; IL-34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG229751 representing NM_001172772 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCGGGCTTACCTGGCTGCGCTATCTTGGGATCTCCTTGGCGTGGCCTGGGGAATGAGCCTT
TGGAGATGTGGCCCTTGACGCAGAATGAGGAGTGCAGTGTACCGGTTTTCTGCGGGACAAGCTGCAGTA
CAGGAGCCGACTTCAGTACATGAAACACTACTTCCCCATCAACTACAAGATCAGTGTGCCTTACGAGGGG
GTGTTCAGAAATCGCCAACGTACCAGGCTGCAGAGGGCCAGGTGAGCGAGCGGGAGCTGCGGTATCTGT
GGTCTTGGTGAACCTCAGTGCCTGAGTCCGCTGAGTGCAGGACGTGCTGCTCGAGGGCCACCCATCCTGGAA
GTACCTGCAGGAGGTGGAGACGCTGCTGCTGAATGTCCAGCAGGGCCTCACGGATGTGGAGTGCAGCCCC
AAGGTGGAATCCGTGTTGTCCCTCTTGAATGCCCCAGGGCCAAACCTGAAGCTGGTGCAGGGCCAAAGCCC
TGCTGGACAACCTGCTTCCGGGTGATGGAGCTGCTGACTGCTCCTGCTGTAAACAAGCTCCGTCCTAAA
CTGGCAGGACTGTGAGGTGCCAAGTCTCAGTCTTGCAGCCCAGAGCCCTCATTGCAGTATGCGGCCACC
CAGCTGTACCCTCCGCCCGTGGTCCCCCAGTCCCCGCCTCACTCCACGGGCTCGGTGAGGCCGGTCA
GGCACAGGGCGAGGGCCTTTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229751 representing NM_001172772
Red=Cloning site Green=Tags(s)

MPRGFTWLRYLGI FLGVALGNEPLEMWP L TQNEECTVTGFLRDKLQYRSRLQYMKHYFPIN YKISVPYEG
 VFRIANVTRLQRAQVSERELRYLWV L VSL SATESVQDVLLEGHPSWKYLQE VETLLLNVQQGLTDVEVSP
 KYESVL SLLNAPGPNLKLVRPKALLDNCFRVMELLYCSCKQSSVLNWQDCEVSPQSCSPEPSLQYAAT
 QLYPPPPWSPSPPHSTG SVRPVRAQGEGLLP

TRTRPLE - GFP Tag - V

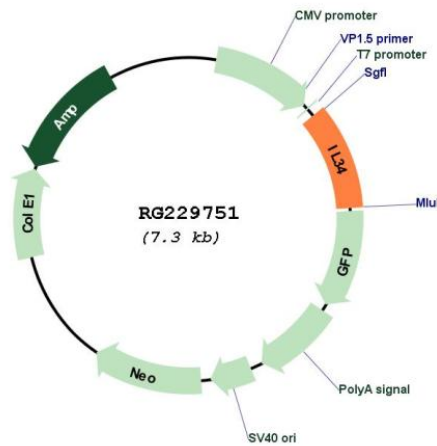
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001172772

ORF Size: 726 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:	<ol style="list-style-type: none">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_001172772.1 , NP_001166243.1
RefSeq Size:	1779 bp
RefSeq ORF:	729 bp
Locus ID:	146433
UniProt ID:	Q6ZMJ4
Cytogenetics:	16q22.1
Gene Summary:	Interleukin-34 is a cytokine that promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R; MIM 164770) (Lin et al., 2008 [PubMed 18467591]).[supplied by OMIM, May 2008]