

Product datasheet for **SC100981**

Interleukin 34 (IL34) (NM_152456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Interleukin 34 (IL34) (NM_152456) Human Untagged Clone
Tag:	Tag Free
Symbol:	Interleukin 34
Synonyms:	C16orf77; IL-34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100981 sequence for NM_152456 edited (data generated by NextGen Sequencing)

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ATGCCCCGGGGCTTCACCTGGCTGCGCTATCTTGGGATCTTCCTTGGCGTGGCCTTGGGG
AATGAGCCTTTGGAGATGTGGCCCTTGACGCAGAATGAGGAGTGCCTGTACCGGTTTTT
CTGCGGGACAAGCTGCAGTACAGGAGCCGACTTCACTACATGAAACACTACTTCCCCATC
AACTACAAGATCAGTGTGCCTTACGAGGGGGTGTTCAGAAATCGCCAACGTCACCAGGCTG
CAGAGGGCCAGGTGAGCGAGCGGGAGCTGCGGTATCTGTGGGTCTTGGTGAAGCTCAGT
GCCACTGAGTCGGTGCAGGACGTGCTGCTCGAGGGCCACCCATCCTGGAAGTACCTGCAG
GAGGTGGAGACGCTGCTGCTGAATGTCCAGCAGGGCCTCACGGATGTGGAGGTGAGCCCC
AAGGTGGAATCCGTGTTGTCCCTCTTGAATGCCCCAGGGCCAAACCTGAAGCTGGTGCGG
CCCAAAGCCCTGCTGGACAACCTGCTTCCGGGTGATGGAGCTGCTGTACTGCTCCTGCTGT
AAACAAAGCTCCGTCCTAAACTGGCAGGACTGTGAGGTGCCAAGTCCCTCAGTCTTGCAGC
CCAGAGCCCTCATTGCAGTATGCGGCCACCCAGCTGTACCTCCGCCCCCGTGGTCCCCC
AGCTCCCCGCCTCACTCCACGGGCTCGGTGAGGCCGATCAGGGCACAGGGCGAGGGCCTC
TTGCCCTGA
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Clone variation with respect to NM_152456.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152456 unedited GATTTTGTAAACACGACTTCTACTATAGGGCGGCACGCGCAATTCGGCACGAGGAGGAACA GAGGCTGCTTTGTGGATTGGGGAGCTCCCCATTAGCGGAGGCAGAGCCAGATTTTCACT GAGCAGCTGCAGTCGGAGAAATCAGAGAAAGCGTCACCCAGCCCCAGATTCGAGGGGCC TGCCAGGGACTCTCTCTCTGCTCCTTGAAAAGGAAGACCCCGAAAGACCCCAAGCCA CCGGCTCAGACCTGCTTCTGGGCTGCCATGGGACTTGGGCCACCGCCCCCGGCTGTCC TCCAGCTGCCGGCAGATAAGGGCAGCTGCTGCCCTTGGGGCACCTGCTCACTCCCGCA GCCAGCCACTCCTCCAGGGCCAGCCCTTCCCTGACTGAGTGACCACCTCTGCTGCCCCG AGGCCATGTAGGCCGTGCTTAGGCCTCTGTGGACACACTGCTGGGGACGGCGCCTGAGCT CTCAGGGGGACGAGGAACACCACCATGCCCGGGGCTTCACTGGCTGCGCTATCTTGGG ATCTTCTTGGCGTGGCCTTGGGAATGAGCCTTGGAGATGTGGCCCTTACGCAGAAT GAGGAGTGCAGTGCACGGGTTTTCTGCGGGACAAGCTGCAGTACAGGAGCCGACTTCAG TACATGAAACACTACTTCCCATCAACTACAAGATCAGTGTGCCCTACGAGGGGGTGTTC AGAATCGCCAACGTCACAGGCTGCANAGGGCCANGTGAGCGAGCGGGAGCTGCNGTAT CTGTGGGTCTTGGTGGCCTCAGTGCCCACTGAGTCGTGCANGACGTGCTGCTCGAGGGC ACCCATCCCTGAAGTACCTGNNCAGAGGTGAGACGCTGCTGCTGAATGTCCAGCAAGGCC TACAGGGATGTGGAGGTAGCCCCAGTGGGAATNCCGTGTGCCCTCTGAATGCCCA GGNCCAACTGNAGCTGNTGCGNCCNAACCCTGCTTGACACTGCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152456 unedited ATGGACCGCGTGCCCAATTTANGATCGAGTTTTTTTTTTCTTTTTTTTCAAAGGAGTGGG TGTTTAATAGAAAAAAGAACTGGAAGAGCATCCACTATGGCAAGATGTGGCACTTGGCAC CGCCCTCTGCCCCAGCTCCCCAGTCTGCCAGGCTGGGGGTCATAGAATGGCCACGCCG TGCTGGCTGTCTCCCCTGCAACCCACAGCTGTGCCCTCACTGCTGCGGGCCACAGGAGGC TCAGTACCCCTTTAGGCGGGGGACAGTGAGGGCAGCACCAGGAGAAGCCAGGAGCTGT GTCCCATCCACCTTCAGGTCCCAGGTCCCCTCCGCTCCAGGTGAGGCCATGACAGCTA TGGAAGGCAGGAAGCTGAGCCCTGCTGTGGCACAGAATCCCCCTCAAAGGAAAAACACC TTCCAGGGGTCTCTCCAAGGGGGGCTCCACCACCACCCCTGAAGTCTCAGACCCA GTTGAACCTCTGTGGGAGCTGGTCTGGCTGCCCTATCCGCACTCACCATCCAGGGTGT CAGGGCAAGAGGCCCTCGCCCTGTGCCCTGACCGGCTCACCGAGCCCGTGGAGTGAGGC GGGGAGCTGGGGACCACGGNGCGGAGGTACAGCTGGGTGGCCGATCTGCAATGAG GGCTCTGGGCTNGCAGACTGANGACTTGGCACCTCACAGTCTGCCAGTTTAGGACGGAG CTTTGTTTACAGCAGGAGCAGTACAGCAGCTTCAAGACCCGNAAGCAGTTGTCCAGCNAG GGCTTTGGCCCGCACCAGCTTCCAGTTTGGCCCTGGGGCATTCAAGAGGACAANCGGNAT TCCACCTTGGGGCTGACCTCCAATCCGGTGGAGCCCTGGCTGAAATTCAGCAGCAGCGTC TCCACTCTGCAGGTACTIONCCAGGATGGGTGGCCCTGGAGCANACGCTCTGGAACGATN</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_152456
Insert Size:	2000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_152456.1](#), [NP_689669.1](#)

RefSeq Size: 1652 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]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 3 encode the same isoform (1), which is longer than isoform 2.