

## Product datasheet for **SC328389**

### Interleukin 34 (IL34) (NM\_001172772) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Interleukin 34 (IL34) (NM_001172772) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL34
Synonyms:	C16orf77; IL-34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172772, the custom clone sequence may differ by one or more nucleotides ATGCCCCGGGGCTTCACCTGGCTGCGCTATCTTGGGATCTTCCTTGGCGTGGCCTTGGGG AATGAGCCTTTGGAGATGTGGCCCTTGACGCAGAATGAGGAGTGCCTGTACCGGTTTT CTGCGGGACAAGCTGCAGTACAGGAGCCGACTTCACTACATGAAACACTACTTCCCCATC AACTACAAGATCAGTGTGCCTTACGAGGGGGTGTTCAGAAATCGCCAACGTACCAGGCTG CAGAGGGCCAGGTGAGCGAGCGGGAGCTGCGGTATCTGTGGGTCTTGGTGAAGTACCTGCAG GCCACTGAGTCGGTGCAGGACGTGCTGCTCGAGGGCCACCCATCCTGGAAGTACCTGCAG GAGGTGGAGACGCTGCTGCTGAATGTCCAGCAGGGCCTCACGGATGTGGAGGTGAGCCCC AAGGTGGAATCCGTGTTGTCCCTCTTGAATGCCCCAGGGCCAAACCTGAAGCTGGTGCGG CCCAAAGCCCTGCTGGACAAGTCTTCCGGGTCATGGAGCTGCTGTACTGCTCCTGCTGT AAACAAAGCTCCGTCCTAAACTGGCAGGACTGTGAGGTGCCAAGTCCCTCAGTCTTGCAGC CCAGAGCCCTCATTGCAGTATGCGGCCACCCAGCTGTACCTCCGCCCCCGTGGTCCCCC AGCTCCCCGCTCACTCCACGGGCTCGGTGAGGCCGGTCAGGGCACAGGGCGAGGGCCTC TTGCCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001172772
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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001172772.1</a></u> , <u><a href="#">NP_001166243.1</a></u>
<b>RefSeq Size:</b>	1779 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	146433
<b>UniProt ID:</b>	<u><a href="#">Q6ZMJ4</a></u>
<b>Cytogenetics:</b>	16q22.1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) represents use of an alternate promoter and 5' UTR, compared to variant 1. Both variants 1 and 3 encode the same isoform (1), which is longer than isoform 2.</p>