

## Product datasheet for **SC328387**

### Interleukin 34 (IL34) (NM\_001172771) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Interleukin 34 (IL34) (NM_001172771) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL34
Synonyms:	C16orf77; IL-34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328387 representing NM_001172771. Blue=Insert sequence Red=Cloning site Green=Tag(s)

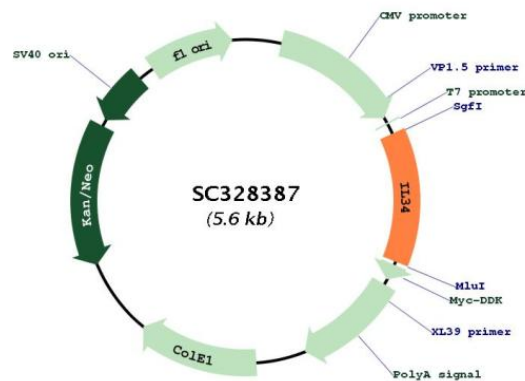
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCCGGGGCTTACCTGGCTGCGCTATCTTGGGATCTTCTTGGCGTGGCCTTGGGAATGAGCCT
TTGGAGATGTGGCCCTTGACGCAGAATGAGGAGTGCAGTGTACGGGTTTTCTGCGGGACAAGCTGCAG
TACAGGAGCCGACTTCAGTACATGAAACACTACTTCCCCATCAACTACAAGATCAGTGTGCCTTACGAG
GGGGTGTTCAGAATCGCCAACGTCACCAGGCTGAGGGCCAGGTGAGCGAGCGGGAGCTGCGGTATCTG
TGGGTCTTGGTGAGCCTCAGTGCCACTGAGTCGGTGCAGGACGTGCTGCTCGAGGGCCACCCATCCTGG
AAGTACCTGCAGGAGGTGGAGACGCTGCTGCTGAATGTCCAGCAGGGCCTCACGGATGTGGAGGTCAGC
CCCAAGGTGGAATCCGTGTTGTCCCTCTTGAATGCCCCAGGGCCAAACCTGAAGCTGGTGCAGCCCAAA
GCCCTGCTGGACAACCTGCTTCCGGGTGATGGAGCTGCTGTACTGCTCCTGCTGTAACAAAGCTCCGTC
CTAAACTGGCAGGACTGTGAGGTGCCAAGTCTCAGTCTTGCAGCCCAGAGCCCTCATTGCAATATGCG
GCCACCCAGCTGTACCCTCCGCCCCCGTGGTCCCCCAGCTCCCCGCCCTACTCCACGGGCTCGGTGAGG
CCGGTCAGGGCACAGGGCGAGGGCCTCTTGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCCGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



ACCN: NM\_001172771

Insert Size: 726 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).

**OTI Annotation:** 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.

**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\\_001172771.1](#)

RefSeq Size: 1793 bp

RefSeq ORF: 726 bp

Locus ID: 146433

UniProt ID: [Q6ZMJ4](#)

Cytogenetics: 16q22.1

MW: 27.4 kDa

**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 (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The resulting isoform (2) lacks one internal amino acid, compared to isoform 1.