

## Product datasheet for SC301707

### IL32 (NM\_001012718) Human Untagged Clone

#### Product data:

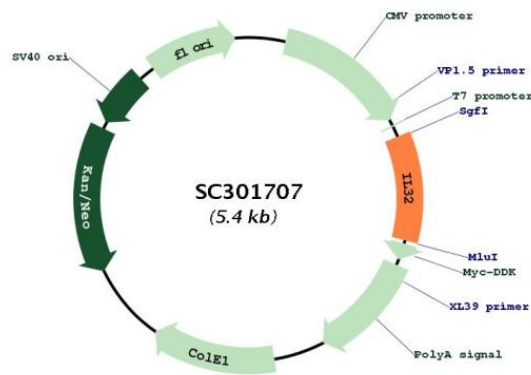
Product Type:	Expression Plasmids
Product Name:	IL32 (NM_001012718) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL32
Synonyms:	IL-32alpha; IL-32beta; IL-32delta; IL-32gamma; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301707 representing NM_001012718. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCTTCCCGAAGGTCTCTGATGACATGAAGAAGCTGAAGGCCGAATGCACCAGGCCATAGAA
AGATTTTATGATAAAATGCAAAATGCAGAATCAGGACGTGGACAGGTGATGTCGAGCCTGGCAGAGCTG
GAGGACGACTTCAAAGAGGGCTACCTGGAGACAGTGGCGGCTTATTATGAGGAGCAGCACCCAGAGCTC
ACTCCTCTACTTGAAAAAGAAAGAGATGGATTACGGTGCCGAGGCAACAGATCCCCTGTCCCGGATGTT
GAGGATCCGCAACCGAGGAGCCTGGGGAGAGCTTTTGTGACAAGGTCATGAGATGGTTCAGGCCATG
CTGCAGCGGCTGCAGACCTGGTGGCACGGGTTCTGGCCTGGGTGAAGGAGAAGTGGTGGCCCTGGTC
CATGCAGTGCAGGCCCTCTGAAACAGTTCAGAGTTTCTGCTGCTCTGTGAGAGCTCTCATGTCC
TCTTCCAGTCTACGGAGCCCCACGGGGGACAAGGAGGAGCTGACACCCAGAAGTGCTCTGAACCC
CAATCCTCAAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001012718

**Insert Size:** 567 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\\_001012718.1](#)

RefSeq Size: 1093 bp

RefSeq ORF: 567 bp

Locus ID: 9235

UniProt ID: [P24001](#)

Cytogenetics: 16p13.3

Protein Families: Secreted Protein

MW: 21.7 kDa

**Gene Summary:** This gene encodes a member of the cytokine family. The protein contains a tyrosine sulfation site, 3 potential N-myristoylation sites, multiple putative phosphorylation sites, and an RGD cell-attachment sequence. Expression of this protein is increased after the activation of T-cells by mitogens or the activation of NK cells by IL-2. This protein induces the production of TNFalpha from macrophage cells. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (8) contains an alternate in-frame splice site in the 5' UTR compared to variant 1. Variants 1 and 8 encode the same protein, isoform B, also referred to as IL-32beta. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.