

Product datasheet for **SC301682**

IL32 (NM_001012633) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL32 (NM_001012633) 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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001012633 edited ATGTGCTTCCCGAAGGTCCTCTCTGATGACATGAAGAAGCTGAAGGCCCGAATGCACCAG GCCATAGAAAGATTTTATGATAAAATGCAAAATGCAGAATCAGGACGTGGACAGGTGAT TCGAGCCTGGCAGAGCTGGAGGACGACTTCAAAGAGGGCTACCTGGAGACAGTGGCGGCT TATTATGAGGAGCAGCACCCAGAGCTCACTCCTCTATTTGAAAAAGAAAGAGATGGATTA CGGTGCCGAGGCAACAGATCCCCTGTCCCGGATGTTGAGGATCCCGAACCGAGGAGCCT GGGAGAGCTTTTGTGACAAGTCTACGGAGCCCCACGGGGGACAAGGAGGAGCTGACA CCCCAGAAGTGCTCTGAACCCCAATCCTCAAAATGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001012633 unedited CACGAGGGGTGACTGTCTCAGTGGAGCTGGGTCATCTCAGGCCTTGGCTCCTTGAACCTT TGGCCGCCATGTGCTTCCCGAAGGTCCTCTCTGATGACATGAAGAAGCTGAAGGCCCGAA TGCACCAGGCCATAGAAAGATTTTATGATAAAATGCAAAATGCAGAATCAGGACGTGGAC AGGTGATGTCGAGCCTGGCAGAGCTGGAGGACGACTTCAAAGAGGGCTACCTGGAGACAG TGGCGGCTTATTATGAGGAGCAGCACCCAGAGCTCACTCCTCTATTTGAAAAAGAAAGAG ATGGATTACGGTGCCGAGGCAACAGATCCCCTGTCCCGGATGTTGAGGATCCCGAACCG AGGAGCCTGGGAGAGCTTTTGTGACAAGTCTACGGAGCCCCACGGGGGACAAGGAGG AGCTGACACCCAGAAAGTCTCTGAACCCCAATCCTCAAAATGAAGATACTGACACCACC TTTGCCCTCCCCGTACCGGCACCCACCCTGACCCCTCCTCAGCTGTCTGTGCCCGC CCCTCTCCCGCACTCAGTCCCCTGCCTGGCGTTCTGCCGCAGCTCTGACCTGGTGC TGTGCGCCTGGCATCTTAATAAAACCTGCTTATACTTCCCTGGC
Restriction Sites:	Please inquire
ACCN:	NM_001012633



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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:	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers this to be a polymorphism and to reflect the natural differences between individuals. This results in the substitution of 1 amino acid.
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:	<u>NM_001012633.1</u> , <u>NP_001012651.1</u>
RefSeq Size:	919 bp
RefSeq ORF:	396 bp
Locus ID:	9235
UniProt ID:	<u>P24001</u>
Cytogenetics:	16p13.3
Protein Families:	Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate exon in the 5' UTR and contains an alternate intron within the last exon of the coding region, compared to variant 1. The encoded isoform (A), also referred to as IL-32alpha, is shorter compared to isoform B. 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.</p>