

## Product datasheet for **RC205884**

### IL32 (NM\_001012632) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IL32 (NM\_001012632) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**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)  
**ORF Nucleotide Sequence:** >RC205884 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGCTTCCCGAAGGTCTCTCTGATGACATGAAGAAGCTGAAGGCCGAATGCACCAGGCCATAGAAA  
 GATTTTATGATAAAATGCAAAATGCAGAATCAGGACGTGGACAGGTGATGTCGAGCCTGGCAGAGCTGGA  
 GGACGACTTCAAAGAGGGCTACCTGGAGACAGTGGCGCTTATTATGAGGAGCAGCACCCAGAGCTCACT  
 CCTCTACTTGAAAAGAAAGAGATGGATTACGGTCCCAGGCAACAGATCCCCTGTCCCGGATGTTGAGG  
 ATCCCGCAACCGAGGAGCCTGGGGAGAGCTTTTGTGACAAGGTCATGAGATGGTCCAGGCCATGCTGCA  
 GCGGCTGCAGACCTGGTGGCACGGGTTCTGGCCTGGGTGAAGGAGAAGGTGGTGGCCCTGGTCCATGCA  
 GTGCAGGCCCTCTGAAAACAGTTCAGAGTTTCTGCTGCTCTGTGAGAGCTTTCATGTCTCTTTCC  
 AGTCTACGGAGCCCCACGGGGGACAAGGAGGAGCTGACACCCAGAAGTGTCTGAAACCCAATCCTC  
 AAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC205884 protein sequence  
 Red=Cloning site Green=Tags(s)

MCFPKVLSDDMKLKLKARMHQAIERFYDKMQNAESGRGQVMSSLAELDDFKEGYLETVAAYYEEQHPELT  
 PLLEKERDGLRCRGNRSPVPDVEDPATEEPGESFCDKVMRWFQAMLQRLQTWWHGVLAWVKEKVVVALVHA  
 VQALWKQFQSFCCSLSELFMSSFQSYGAPRGDKEELTPQKCEPQSSK

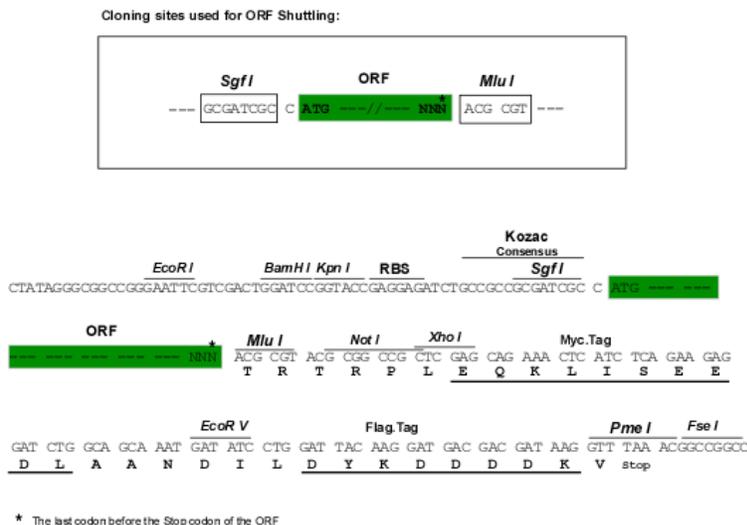
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6433\\_c11.zip](https://cdn.origene.com/chromatograms/mk6433_c11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001012632

**ORF Size:** 564 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001012632.3](#)

**RefSeq Size:** 956 bp

RefSeq ORF: 567 bp

Locus ID: 9235

UniProt ID: [P24001](#)

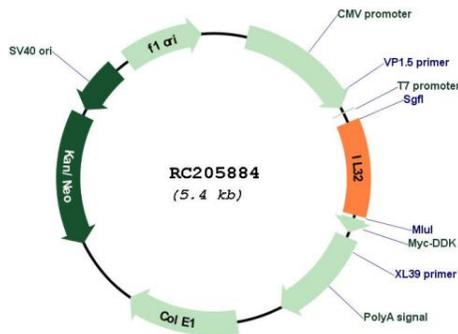
Cytogenetics: 16p13.3

Protein Families: Secreted Protein

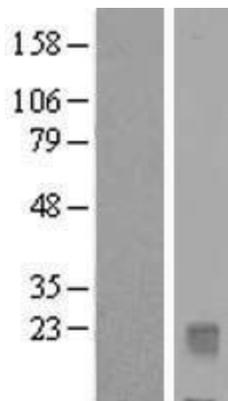
MW: 21.7 kDa

**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]

### Product images:



Circular map for RC205884



Western blot validation of overexpression lysate (Cat# [LY422819]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC217258] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).