

Product datasheet for **RC216101**

IL32 (NM_001012634) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IL32 (NM_001012634) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IL32
Synonyms: IL-32alpha; IL-32beta; IL-32delta; IL-32gamma; NK4; TAIF; TAIFa; TAIFb; TAIFc; TAIFd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC216101 representing NM_001012634
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGCTTCCCGAAGTCTCTCTGATGACATGAAGAAGCTGAAGGCCGAATGGTGATGTCGAGCCTGG
CAGAGCTGGAGGACGACTTCAAAGAGGGCTACCTGGAGACAGTGGCGGCTTATTATGAGGAGCAGCACCC
AGAGCTCACTCTACTTGAAGAAAGAGATGGATTACGGTGCCGAGGCAACAGATCCCTGTCCCG
GATGTTGAGGATCCCGCAACCGAGGAGCCTGGGGAGAGCTTTTGTGACAAGGTCATGAGATGGTTCCAGG
CCATGCTGCAGCGGCTGCAGACCTGGTGGCAGGGGTTCTGGCCTGGGTGAAGGAGAAGGTGGTGGCCCT
GGTCCATGCAGTGCAGGCCCTCTGGAAACAGTTCAGAGTTTCTGCTGCTCTGTCTGAGACTCTTCATG
TCCTCTTCCAGTCTACGGAGCCCCACGGGGGACAAGGAGGAGCTGACACCCAGAAAGTCTCTGAAC
CCCAATCCTCAAAA

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216101 representing NM_001012634
Red=Cloning site Green=Tags(s)

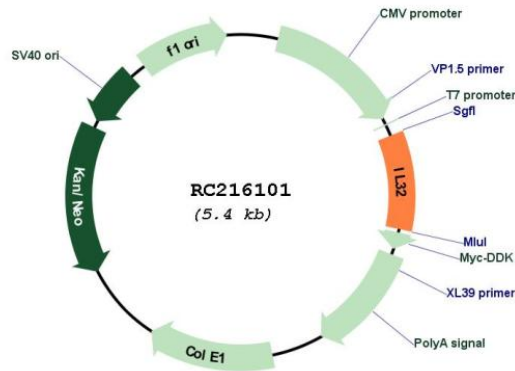
MCFPKVLSDDMKKLRKARVMSSLAEELEDDFKEGYLETVAAYYEEQHPELTPLEKERDGLRCRGNRSPVP
DVEDPATEEPGESFCDKVMRWFQAMLQRLQTTWHGVLAWVKEKVVVALVHAVQALWKQFQSFCCSLSELFM
SSFQSYGAPRGDKEELTPQKCSEPOSSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001012634

ORF Size: 504 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:	<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_001012634.4</u>
RefSeq Size:	897 bp
RefSeq ORF:	507 bp
Locus ID:	9235
UniProt ID:	<u>P24001</u>
Cytogenetics:	16p13.3
Protein Families:	Secreted Protein
MW:	19.2 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]