

Product datasheet for **RC220031**

IL16 (NM_004513) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL16 (NM_004513) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL16
Synonyms:	LCF; NIL16; prIL-16; PRIL16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC220031 representing NM_004513
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACTATAGCTTTGATACCACAGCCGAAGACCCTTGGTTAGGATTTCTGACTGCATCAAAACTTAT
TTAGCCCATCATGAGTGAGAACCATGGCCACATGCCTCTACAGCCCAATGCCAGCCTGAATGAAGAAGA
AGGGACACAGGGCCACCCAGATGGGACCCACCAAGCTGGACACCGCCAATGGCACTCCCAAAGTTTAC
AAGTCAGCAGACAGCAGCACTGTGAAGAAAGTCTCCTGTGGCTCCCAAGCCAGCCTGGTTTCGCCAAA
GCTTGAAGGTTTGAGGAATCGTGCTTCAGACCCAAGAGGGCTCCTGATCCTGCCTTGTCCACCCAGCC
AGCACCTGCTCCAGGGAGCACCTAGGATCACACATCCGGGCTCCTCCTCCTCCTCCATCAGGCAG
AGAATCAGCTCCTTTGAAACCTTTGGCTCCTCTCAACTGCCTGACAAAGGAGCCAGAGACTGAGCCTCC
AGCCCTCCTCTGGGGAGGCAGAAAACCTTTGGGAAGCATGAGGAAGGACGGTTTTCTGGACTCTTGGG
GCGAGGGGCTGCACCCACTCTTGTGCCAGCAGCCTGAGCAAGTACTGTCTCGGGTCCCTGCAGCC
TCCGAGGCCAGAGACCCAGGTGTGTCTGAGTCCCTCCCCAGGGCGGCAGCCCAATCAGAAAACCTCC
CCCCTGGCCCGGACCCGCTCCTAAGGCTGCTGTCAACACAGGCTGAGGAATCTCAAGGCCAGTGCTCAA
GATGCCTAGCCAGCAGCACGGAGCTTCCCCCTGACCAGGTCCCAGTCTGTGAGACGAAGCTACTTGAC
GAAAAGACCAGCAAACCTATTCTATCAGCAGCCAAGTGTATCGGCTGTATGAAATCCTTGCTGTGCC
TTCCATCTTCTATCTCCTGTGCCAGACTCCCTGCATCCCCAAGGAAGGGGCATCTCAACATCATCATC
CAACGAAGACTCAGCTGCAAATGGTTCTGCTGAAACATCTGCCTTGGACACAGGGTTCTCGCTCAACCT
TCAGAGCTGAGAGAATATACAGAGGGTCTCACGGAAGCCAAGGAAGACGATGATGGGACCCAGTTCCC
TTCAGTCTGGTCAGTCCGTTATCTCCCTGCTGAGCTCAGAAGAATTAATAAACTCATCGAGGAGTGAA
GGTTCTGGATGAAGCAACATTAAGCAATTAGACGGCATCCATGTCAACATCTTACACAAGGAGGAAGGT
GCTGGTCTTGGTTAGCTTGGCAGGAGGAGCAGATCTAGAAAACAAGGTGATTACGGTTCACAGAGTGT
TTCCAAATGGGCTGGCTCCAGGAAGGGACTATTAGAAAGGCAATGAGGTTCTTTCCATCAACGGCAA
GTCTCTCAAGGGGACCACGCACCATGATGCCTTGGCCATCCTCCGCAAGCTCGAGAGCCAGGCAAGCT
GTGATTGTCACAAGGAAGCTGACTCCAGAGGCCATGCCCGACCTCAACTCCTCCACTGACTCTGCAGCCT
CAGCCTCTGCAGCCAGTGTGTTCTGTAGAATCTACAGCAGAGGCCACAGTCTGCACGGTGACTGGA
GAAGATGTCGGCAGGGCTGGCTTACGCTGGAAGGAGGGAAGGGCTCCCTACACGGAGACAAGCCTCTC
ACCATTAACAGGATTTTCAAAGGAGCAGCCTCAGAACAAAGTGAAGACAGTCCAGCCTGGAGATGAAATCT
TGCAGCTGGGTGGCACTGCCATGCAGGGCTCACACGGTTTGAAGCCTGGAACATCATCAAGGCACTGCC
TGATGGACCTGTACGATTGTCATCAGGAGAAAAGCCTCCAGTCCAAGGAAACACAGCTGCTGGAGAC
TCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_004513.5](#)

RefSeq Size: 6193 bp

RefSeq ORF: 1896 bp

Locus ID: 3603

UniProt ID: [Q14005](#)

Cytogenetics: 15q25.1

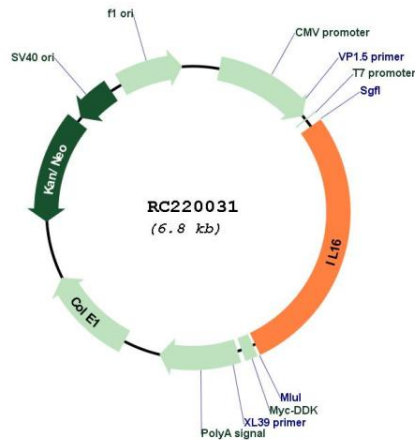
Domains: PDZ

Protein Families: Druggable Genome, Secreted Protein

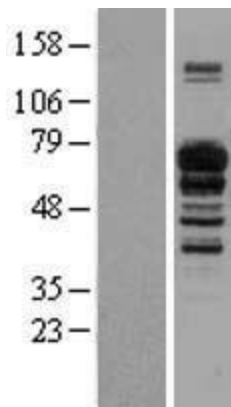
MW: 66.5 kDa

Gene Summary: The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

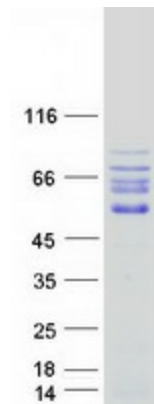
Product images:



Circular map for RC220031



Western blot validation of overexpression lysate (Cat# [LY401436]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220031 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IL16 protein (Cat# [TP320031]). The protein was produced from HEK293T cells transfected with IL16 cDNA clone (Cat# RC220031) using MegaTran 2.0 (Cat# [TT210002]).