

Product datasheet for **SC329340**

IL16 (NM_001172128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL16 (NM_001172128) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL16
Synonyms:	LCF; NIL16; prIL-16; PRIL16
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001172128, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCGCACAGCCGCTGGAAAGAGCAGAAAATCTGCAAAATTTTCGGTCCATCTCC
AGGTCCCTGATGCTCTGTAAATGCTAAGACCAGTGATGATGGCTCTAGCCCTGATGAGAAA
TATCCTGATCCCTTTGAGATTTCTTGGCCAGGGCAAGGAGGAATTTTCCACTCATCT
GTGCAGCTGGCAGACACATCGGAGGCTGGGCCAGCAGTGTTCCTGATCTAGCACTGGCC
TCGGAGGCTGCTCAACTCCAAGCAGCTGGGAATGATCGAGGCAAGACCTGTAGGAGGATA
TTCTTCATGAAGGAATCTTCCACAGCTTCTCTCGAGAAAAGCCTGAAAACTAGAAGCA
CAAAGTAGTAACCTTCTGTTTCTAAAGCCTGCCACCAAAGGGCAGCAGCAACTCAACC
AGTGTTAATCCCTATTGCACAAGAGAAAATGATTTTCCAATGACCAAGAAATCTGCAGCG
CCCACGGACAGGCAGCCTTACTCTCTGTCAGTAACAGGAAGTCCCTCTCTCAACAATTG
GACTGTCCAGCAGGAAAGGCTGCGGGAACCTCGAGACCAACACGGTCCCTGAGCAGAGCT
CAGCTCGTGACGCATCTGGGGGCTCCAGGCTTCAGTCATCTCCAACATCGTGCTGATG
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CCCATTGGGATTTACGTCAAACCATTTTTGCAGGGGGAGCAGCAGCAGCCGATGGAAAGG
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CAGGATGCTTTGCAGAAGTTCAAGCAAGCCAAAAAGGGGCTCCTCACCTCACCGTGAGA
ACCCGCTGACGGCGCTCCTTCCCTGTGCAGCCACCTGTCTCCCCACTGTGCCGCTCC
CTGAGCTCCAGCACTTGTATCACCAAGGACAGCAGCTCCTTCGCCTTGGAAAGCCCTCG
GCTCCCATCAGCACCGCCAAAGCCCAATTACAGAATCATGGTGGAGTTTTCTGACAGAAA
GAGGCCGCGTGGCCTGGGCATCGGCCTGTGCAGCGTTCCTACTTCCAATGCATCTCT
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TGTGGGGACGAGATTGTGAAAATCAGTGATTCCCTGTGCACTGCCTGACGCTCAATGAA
GTCTACACGATCCTGAGTCACTGTGATCCCGGTCCAGTCCCCATCATTGTTAGCCGACAT
CCAGACCCACAGGTCTCTGAACAGCAACTCAAAGAAGCTGTGGCCAGGCTGTGGAAAAC
ACCAAGTTTGGAAAGGAGAGGCATCAGTGGAGTCTGGAAGGTGTCAAAGGCTGGAAAGC
AGTTGGCACGGGGGCCACCTTGAGAAGGAACGAGAGAAGAACTCAGCACCCCGCAT

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CGCAGGGCTCAGAAGGTCATGATCCGCTCCAGCAGTGACAGCAGCTACATGTCTGGGTCC
 CCAGGGGGAAGTCTGGGAGTGGCAGTGTGAGAAGCCGTCTCTGACGTGGACATCAGC
 ACACACAGCCCCAGCTTGCCTCTGGCACGGGAGCCAGTGGTGCTTTCTATAGCATCCTCC
 AGGCTGCCCCAGGAGAGCCACCCTCCAGAGAGCCGGGACAGCCACCCGCCGTGAGA
 CTGAAGAAATCCTTTGAGATTTTGGTGAGAAAGCCTATGTCCTCAAGCCCAAGCCTCCA
 CCCAGAAAATACTTTAAAAGTGACAGTGACCCTCAGAAGAGTCTGGAAGAGAGAGAAC
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 CCACTGTGCTACCACAGGAAGACACAGCAGGGAGAAGCCCTAGTGCCTCTGCCGGCTGC
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 CTCACGGAAGCCAAGGAAGACGATGATGGGGACCACAGTTCCTTCAGTCTGGTCAGTCC
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 GGTGCTGCTCTGGGTTAGCTTGGCAGGAGGAGCAGATCTAGAAAACAAGGTGATTACG
 GTTCACAGAGTGTTCCAAATGGGCTGGCTCCCAAGGAAGGGACTATTCAGAAGGGCAAT
 GAGGTTCTTTCCATCAACGGCAAGTCTCTCAAGGGGACCACGCACCATGATGCCTTGGCC
 ATCCTCCGCCAAGCTCGAGAGCCAGGCAAGCTGTGATTGTACAAAGGAAGCTGACTCCA
 GAGGCCATGCCCGACCTCAACTCCTCCACTGACTCTGCAGCCTCAGCCTCTGCAGCCAGT
 GATGTTTTCTGTAGAATCTACAGAGGCCACAGTCTGCACGGTGACACTGGAGAAGATGTGC
 GCAGGGCTGGGCTTCAGCCTGGAAGGAGGGAAGGGCTCCCTACACGGAGACAAGCCTCTC
 ACCATTAACAGGATTTTCAAAGGAGCAGCCTCAGAACAAAGTGAGACAGTCCAGCCTGGA
 GATGAAATCTTGACAGCTGGGTGGCACTGCCATGCAGGGCCTCACACGGTTTGAAGCCTGG
 AACATCATCAAGGCACTGCCTGATGGACCTGTACGATTGTATCAGGAGAAAAAGCCTC
 CAGTCCAAGGAAACCACAGCTGCTGGAGACTCCTAG

Restriction Sites:

Please inquire

ACCN:

NM_001172128

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:	<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:	NM_001172128.1 , NP_001165599.1
RefSeq Size:	8322 bp
RefSeq ORF:	3996 bp
Locus ID:	3603
UniProt ID:	Q14005
Cytogenetics:	15q25.1
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) has multiple differences and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) is longer, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>