

Product datasheet for **SC318601**

IL16 (NM_172217) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL16 (NM_172217) Human Untagged Clone
Tag:	Tag Free
Symbol:	IL16
Synonyms:	LCF; NIL16; prIL-16; PRIL16
Vector:	<u>pCMV6 series</u>

Fully Sequenced ORF: >NCBI ORF sequence for NM_172217, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCGCACAGCCGCGCTGGAAAGAGCAGAAAATCTGCAAAATTTTCGGTCCATCTCC
AGGTCCCTGATGCTCTGTAATGCTAAGACCAGTGATGATGGCTCTAGCCCTGATGAGAAA
TATCCTGATCCCTTTGAGATTTCTTGGCCAGGGCAAGGAGGAATTTTCCACTCATCT
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TCGGAGGCTGCTCAACTCCAAGCAGCTGGGAATGATCGAGGCAAGACCTGTAGGAGGATA
TTCTTCATGAAGGAATCTTCCACAGCTTCTCTCGAGAAAAGCCTGGAAAAGCTAGAAAGCA
CAAAGTAGTAACCTTCTGTTTCTTAAAGCCTGCCACAAAGGGCACGCAGCAACTCAACC
AGTGTTAATCCCTATTGCACAAGAGAAAATTGATTTTCCAATGACCAAGAAATCTGCAGCG
CCCACGGACAGGCAGCCTTACTCTCTCTGCAGTAACAGGAAGTCCCTCTCTCAACAATTG
GACTGTCCAGCAGGAAAGGCTGCGGGAACTTCGAGACCAACACGGTCCCTGAGCAGAGCT
CAGCTCGTGACAGCATCTGGGGGCTCCAGGCTTCAGTCATCTCCAACATCGTGTGATG
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CAGGATGCTTTGCAGAAGTTCAAGCAAGCCAAAAGGGGCTCCTCACCTCACCGTGAGA
ACCCGCTGACGGCGCCTCCTTCCCTGTGCAGCCACCTGTCTCCCCACTGTGCCGCTCC
CTGAGCTCCAGCACTTGTATCACCAAGGACAGCAGCTCCTTCGCCTTGGAAAGCCCTCG
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CGCAGGGCTCAGAAGGTGATGATCCGCTCCAGCAGTGACAGCAGCTACATGTCTGGGTCC
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ACACACAGCCCCAGCTTGCCTCTGGCACGGGAGCCAGTGGTGCTTTCTATAGCATCTCC
AGGCTGCCCCAGGAGAGCCACCCTCCAGAGAGCCGGGACAGCCACCCCGCGTGAGA

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CTGAAGAAATCCTTTGAGATTTTGGTGAGAAAGCCTATGTCCTCCAAGCCCAAGCCTCCA
CCCAGAAAATACTTTAAAAGTGACAGTGACCCTCAGAAGAGTCTGGAAGAGAGAGAGAAC
TCCTCATGCTCTTCTGGGCACACCCACCCACCTGTGGCCAGGAAGCGAGAGAGCTGCTG
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GAGGCCATGCCCGACCTCAACTCCTCCACTGACTCTGCAGCCTCAGCCTCTGCAGCCAGT
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CTCACCATTAACAGGATTTTCAAAGGAGCAGCCTCAGAACAAAGTGAGACAGTCCAGCCT
GGAGATGAAATCTTGCAGCTGGGTGGCACTGCCATGCAGGGCCTCACACGGTTTGAAGCC
TGGAACATCATCAAGGCACTGCCTGATGGACCTGTCACGATTGTCATCAGGAGAAAAAGC
CTCCAGTCCAAGGAAACACAGCTGCTGGAGACTCC

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Restriction Sites:

Please inquire

ACCN:

NM_172217

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:	<u>NM_172217.2, NP_757366.2</u>
RefSeq Size:	8338 bp
RefSeq ORF:	3999 bp
Locus ID:	3603
UniProt ID:	<u>Q14005</u>
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 (2) differs in the 5' UTR and and 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is longer at the N-terminus 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>