

## Native Human IL16

**Cat. No.** IL16-29736TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Synthetic peptide (Human)
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	<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.</p>
<b>Tissue specificity</b>	Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T cell proliferation.
<b>Form</b>	Lyophilised:Reconstitute with distilled water to achieve desired concentration.
<b>Storage buffer</b>	Preservative: None Constituents: 5mM Sodium citrate, 0.5mM DTT, pH 5.5
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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**Sequences of amino acids** Recombinant Human IL-16 is a 13.5 kDa protein containing 130 amino acid residues.:  
 MPDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLEGGKGS LHGD  
 KPLTINRIFKGAASEQSETVQPGDEILQLGGTAMQGLTRFE AWNIKALPDGPVTIVIR  
 RKSLQSKETTAAGDS

**Sequence Similarities** Contains 4 PDZ (DHR) domains.

## GENE INFORMATION

**Gene Name** IL16 interleukin 16 [ Homo sapiens ]

**Official Symbol** IL16

**Synonyms** IL16; interleukin 16; interleukin 16 (lymphocyte chemoattractant factor); pro-interleukin-16; FLJ16806; FLJ42735; HsT19289; IL 16; LCF; lymphocyte chemoattractant factor; prIL 16; prointerleukin 16;

**Gene ID** 3603

**mRNA Refseq** NM\_001172128

**Protein Refseq** NP\_001165599

**MIM** 603035

**Uniprot ID** Q14005

**Chromosome Location** 15q26.3

**Function** cytokine activity;

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