

Native Human IL16

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

SPECIFICATION

Product Overview	Synthetic peptide (Human)
Species	Human
Source	E.coli
Description	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.
Tissue specificity	Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T cell proliferation.
Form	Lyophilised:Reconstitute with distilled water to achieve desired concentration.
Storage buffer	Preservative: NoneConstituents: 5mM Sodium citrate, 0.5mM DTT, pH 5.5
Storage	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.: MPDLNSSTDASAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLEGGKGSLHGD KPLTINRIFKGAASEQSETVQPGDEILQLGGTAMQGLTRFE AWNIKALPDGPVTIVIR RKSLQSKETTAAGDS
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Sequence Similarities	Contains 4 PDZ (DHR) domains.
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GENE INFORMATION

Gene Name	IL16 interleukin 16 [Homo sapiens]
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Official Symbol	IL16
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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;
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Gene ID	3603
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mRNA Refseq	NM_001172128
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Protein Refseq	NP_001165599
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MIM	603035
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Uniprot ID	Q14005
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Chromosome Location	15q26.3
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Function	cytokine activity;
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