

Recombinant Human IL16

Cat. No. IL16-28597TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IL16; amino acids 1212-1332 , 12.4 kDa.
Species	Human
Source	E.coli
ProteinLength	1212-1332 a.a.
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.
Biological activity	Biological Activity: Determined by its ability ot chemoattract Human CD4+ T-Lymphocytes using a concentration range of 50.0-100.0 ng/ml.
Form	Lyophilised:Reconstituted IL16-28597TH is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

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Purity	>95% by SDS-PAGE
Storage	Store at -20°C. Stable for 12 months at -20°C
Sequences of amino acids	SAASASAASD VSVESTAEAT VCTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETVQPG DEILQLGGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QSKETTAAGD S
Sequence Similarities	Contains 4 PDZ (DHR) domains.
Full Length	Full L.

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

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Chromosome Location	15q26.3
Function	cytokine activity;

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