

Recombinant Human IL16, His-tagged

Cat. No. IL16-14152H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL16 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-301a.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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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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; neuronal interleukin 16; NIL16; PRIL16; prIL-16; FLJ44234;
Gene ID	3603
mRNA Refseq	NM_001172128
Protein Refseq	NP_001165599
MIM	603035
UniProt ID	Q14005
Chromosome Location	15q26.3
Function	cytokine activity;