

Recombinant Human IL16 protein, His & T7-tagged

Cat. No. IL16-865H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL16 aa. (Met1203~Ser1332 (Accession # Q14005)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1203~Ser1332
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	IL16 interleukin 16 [Homo sapiens (human)]
Official Symbol	IL16
Synonyms	IL16; interleukin 16; LCF; NIL16; PRIL16; prIL-16; pro-interleukin-16; lymphocyte chemoattractant factor; neuronal interleukin 16; prointerleukin 16
Gene ID	3603
mRNA Refseq	NM_001172128.1
Protein Refseq	NP_001165599.1

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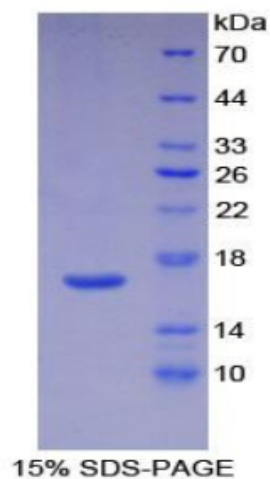
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UniProt ID

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SDS-PAGE

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