



## Product Datasheet

<b>Product Name</b>	Interleukin-16 Human Recombinant, His Tag
<b>Cata No</b>	CB501296
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289.

### Description

IL-16 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 IL-16 is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. IL-16 functions 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. Two transcript variants encoding different isoforms have been found for this gene. IL-16 stimulates a migratory response in cd4+ lymphocytes, monocytes, and eosinophils. Also induces t-lymphocyte expression of interleukin 2 receptor, ligand for cd4.

Interleukin-16 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 150 amino acids and having a molecular mass of 15 kDa. The IL-16 is fused to His-Tag at N-Terminus.  
The IL-16 is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile Filtered solution.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis SDS-PAGE.

### Formulation

IL-16 His tag protein contains 20mM Tris pH-8 1mM DTT & 10%glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Store, frozen at -20°C for longer periods of time.

**Please avoid freeze thaw cycles.**

### Sequence

GSSHHHHH SSGLVPRGSH MPDLNSSTDS  
AASASAASDV SVESTAEATV  
CTVTLEKMSAGLGFSLEGGK GSLHGDKPLT  
INRIFKGAAS EQSETVQPGD EILQLGGTAM  
QGLTRFEAWN IIKALPDGPV TIVIRRKSLQ  
SKETTAAGDS.

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