

## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet

## Recombinant Human Interleukin-16, His6 Tagged

**Catalog No.**

228-10877

**Source:**

*Escherichia Coli*

**Synonyms**

IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289.

**Introduction**

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.

**Description**

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.

**Formulation**

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

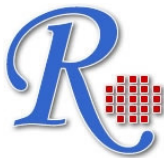
**Stability**

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 prevent freeze-thaw cycles.**

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Purity***

Greater than 95.0% as determined by

(a) Analysis by RP-HPLC

(b) Analysis SDS-PAGE

### ***Amino acid sequence***

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

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