

## IL 16 Human, His

**Description:** Interleukin-16 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain (502-631 a.a) containing 150 amino acids and having a molecular mass of 15.5kDa. The IL-16 is fused to a 20 a.a His-Tag at N-Terminus. The IL-16 is purified by proprietary chromatographic techniques.

**Catalog #:** CYP5-569

For research use only.

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

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MPDLNSSTD S AASASAASDV  
SVESTAEATV CTVTLEKMSAGLGFSLEGGK GSLHGDKPLT INRIFKGAAS EQSETVQPGD  
EILQLGGTAM QGLTRFEAWN IIALPDGPV TIVIRKSLQ SKETTAAGDS.

**Purity:** Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis SDS-PAGE.

**Formulation:**

IL-16 His tag protein (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM PMSF & 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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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