
Product Data Sheet

Product Name: IL 16 Human, His
 Cat. No.: GP20577
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	IL16; Interleukin-16; LCF; Lymphocyte Chemoattractant Factor; prIL-16; IL-16; FLJ16806; FLJ42735; FLJ44234; HsT19289.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPDLNSSTDS AASASAASDV SVESTAEATV CTVTLEKMSAGLGFSLEGGK GSLHGDKPLT INRIFKGAAS EQSETVQPGD EILQLGGTAM QGLTRFEAWN IIKALPDGPV TIVIRRKSLQ SKETTAAGDS.		
Formulation	IL-16 His tag protein (1mg/ml) contains 20mM Tris-HCl pH-8, 1mM PMSF & 10% glycerol.		

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.

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.

Background

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

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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.

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