9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL 16 Mouse

Interleukin-16 Mouse Recombinant
CYK0261

Product Overview

Name	IL 16 Mouse
Description	
Interleukin-16 Mouse Recombinant	
Accession (Primary)	O54824
Synonyms	
LCF, Lymphocyte Chemoattractant Factor, prIL-16, KIAA4048, mKIAA4048, Il16, IL-16, Interleukin-16.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Murine IL-16 was lyophilized from 1mg/ml solution after extensive dialysis against 10mM sodium phosphate buffer, pH-7.5.	
Stability	
Lyophilized Mouse IL-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution mouse IL16 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis SDS-PAGE.	
Amino acid sequence	

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MHDLNSSTDS AASASAASDI SVESKEATVC TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL TRFEAWNVIK ALPDGPVTIV IRRTSLQCKQ TTASADS.

Solubility

It is recommended to reconstitute the lyophilized Murine IL16 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL 16 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O54824)