



Product Datasheet

Product Name	Interleukin-16 Mouse Recombinant
Cata No	CB501293
Source	<i>Escherichia Coli.</i>
Synonyms	LCF, Lymphocyte Chemoattractant Factor, prIL-16, KIAA4048, mKIAA4048, IL16, IL-16, Interleukin-16.

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 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 127 amino acids and having a molecular mass of 13.2 kDa.

The Mouse IL-16 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 90.0% as determined by:

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

Formulation

Murine IL-16 was lyophilized from 1mg/ml solution after extensive dialysis against 10mM sodium phosphate buffer, pH-7.5.

Reconstitution

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

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.

Sequence

MHDLNSSTDS AASASAASDI SVESKEATVC
TVTLEKTSAG LGFSLEGGKG SLHGDKPLTI
NRIFKGDRTG EMVQPGDEIL QLAGTAVQGL

*** For Non-Clinical Research Use Only ***



California Bioscience

83103 Avenue 48, Ste.1B #204
Coachella, CA 92236 USA
Phone : +1.6268339877
Email : info@cali-bio.com

TRFEAWNVIK ALPDGPVTIV IRRSLQCKQ

TTASADS

Product Datasheet

*** For Non-Clinical Research Use Only ***