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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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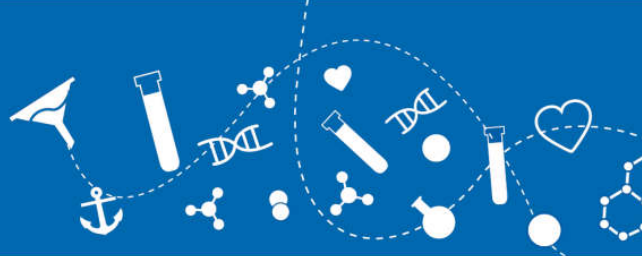
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Interleukin-16, rhesus macaque recombinant (rrmIL-16)

Catalog No: 97496
Lot No: XXXXX
Source: *E. coli*
Synonyms: IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289

Background

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 Rhesus Macaque recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 121 amino acids and having a molecular mass of 12.5 kDa. IL 16 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Solubility

It is recommended to reconstitute the lyophilized Interleukin-16 in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized IL-16, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-16 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 98.0% as determined by SDS-PAGE.

Amino Acid Sequence

SAASASAASD VSVESAEAT VYVTLEKMS AGLGFSLEGG KGLSHGDKPL TINRIFKGAA SEQSETIQPG DEILQLAGTA
MQGLTRFEAW NIIKALPDGP VTIVIRKSL QPKETTAAD S

Activity

Fully biologically active when compared to standard. Determined by its ability to chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0 - 100.0 ng/ml corresponding to a specific activity of 10,000 - 20,000 IU/mg.



Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.