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32-1464: maIL 16 Recombinant Protein

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

Description

Source : Escherichia Coli. IL 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 12.5kDa.The IL 16 Rhesus Macaque is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 98.0% as determined by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Storage condition :	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.
Amino Acid :	SAASASAASD VSVESSAEAT VYTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETIQPG DEILQLAGTA MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QPKETTAAAD S

Application Note

It is recommended to reconstitute the lyophilized IL-16 in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. Fully biologically active when compared to standard. Determined by its ability to chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0-100.0ng/ml corresponding to a Specific Activity of 10,000-20,000IU/mg.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.