

Interleukin-16 Human Recombinant, (130 a.a.)

Item Number	rAP-0607
Synonyms	IL16, Interleukin-16, LCF, Lymphocyte Chemoattractant Factor, prIL-16, IL-16, FLJ16806, FLJ42735, FLJ44234, HsT19289.
Description	Interleukin-16 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 130 amino acids and having a molecular mass of 13.5 kDa. The IL-16 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q14005
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Pro-Asp-Leu-Asn.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Interleukin-16 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution 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.
Formulation and Purity	IL-16 was lyophilized at 1 mg/ml in 10mM NaP, pH-7.5. Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Interleukin-16 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by its ability to chemoattract human CD4+ T lymphocytes using a concentration range of 10-100ng/ml, corresponding to a Specific Activity of 10,000-100,000 units/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**