

# Human IL 16 Recombinant Protein



RPPB0591

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## Product Information    Protein Information

**Product SKU:**

RPPB0591

**Accession:**

Q14005

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

IL-16 was lyophilized at 1 mg/ml in 10mM NaP, pH-7.5.

**Purity:**

Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-16 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**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.

**Biological Activity:**

The ED<sub>50</sub> 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.