

Human IL-16 (130aa)

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1561.950.002		
10 µg	1561.950.010		
1 mg	1561.950.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Biological Activity** ≥ 1 - 10 x 10⁴ units/mg
- **Source** *E. Coli*
- **Purity** ≥ 90 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** IL-16 was lyophilized at 1 mg/ml in 10mM NaP, pH-7.5*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated 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.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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