

IL16

Recombinant Human Interleukin-16

Catalog No.	CRI239A	Quantity:	10 µg
	CRI239B		100 µg
	CRI239C		1.0 mg

Alternate Names: Interleukin-16, LCF, prIL16, IL-16

Description: Human Interleukin-16 (IL-16) also called Lymphocyte chemoattractant factor (LCF) has three isoforms and these isoforms are cleaved from pre-Interleukin-16. In addition, Interleukin-16 is mostly secreted by lymphocytes, epithelial cells, eosinophils, and CD8+ T cells. CD4 is the cell signaling receptor for mature IL-16. It has many functions including induction of the IL-2RF on T cells, suppression of human immunodeficiency virus (HIV) replication, inhibition of T-cell antigen receptor/CD3 mediated T-cell stimulation in mixed lymphocyte reactions and so on. Furthermore, recombinant human IL-16 (130 a.a.) contains 130 amino acid residues and it shares 85% a.a. sequence identity with mouse IL-16.

UniProt ID: Q14005

Source: *E. coli*

Molecular Weight: 13.4 kDa (130 aa) monomer

Formulation: Lyophilized from sterile filtered 20 mM Tris, 150 mM NaCl, pH 7.0

Purity: ≥ 95% by SDS-PAGE and HPLC analyses.

Endotoxin Level: < 1 EU/µg of rHuIL-16 as determined by LAL method.

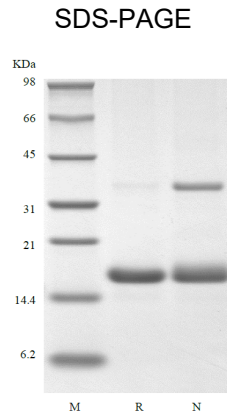
Biological Activity: ED₅₀ = 1.0 - 100 ng/ml, by a chemotaxis bioassay using human CD4+ T Lymphocytes

Amino Acid Sequence: MPDLNSSTDS AASASAASDV SVESTAEATV CTVTLEKMSA GLGFSLEGGK
GSLHGDKPLT INRIFKGAAS EQSETVQPGD EILQLGGTAM QGLTRFEAWN
IIKALPDGPV TIVIRKSLQ SKETTAAGDS

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 -1.0 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for complete reconstitution.

Storage & Stability: Store unopened at -20°C to -80°C for up to 1 year. Following reconstitution, the preparation is stable for up to one week at 2-8°C or in aliquots for 3 months at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**





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