

## IL-16 Human E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RBG10016S002	(2 µg)
<b>Species:</b> Human	RBG10016S010	(10 µg)
<b>Other names:</b> LCF (Lymphocyte Chemoattractant Factor)	RBG10016S100	(100 µg)

### Description

IL-16 is a CD8+ T cell-derived cytokine that induces chemotaxis of CD4+ T cells, CD4+ monocytes, and eosinophils. Analysis by gel filtration suggests that, under physiological conditions, hIL-16 exists predominantly as a noncovalently linked multimer, but that some IL-16 may exist as a monomer. However, only the multimeric form appears to possess chemotactic activity, suggesting that receptor cross-linking may be required for activity. IL-16 also induces expression of IL-2 receptor (IL-2R) and MHC class II molecules on CD4 + T cells. Human and murine IL-16 show significant cross-species reactivity. Recombinant Human IL-16 is a 12.4 kDa protein consisting of 121 amino acid residues.

### Research topic

Apoptosis, Immune Response, Infection and Inflammation

### Amino Acid Sequence

SAASASAASD VSVSTAEAT VCTVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETVQPG DEILQLGGTA  
MQGLTRFEAW NIIKALPDGP VTIVIRRKSL QSKETTAAGD S

### Source

E. coli

### Purity

98%

### Biological Activity

Determined by its ability of chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0-100.0 ng/ml.

### Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

### Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

### Storage, Stability/Shelf Life

-20°C

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