

## IL16

### Recombinant Human Interleukin 16 (130 a.a.)

<b>Catalog No.</b>	CRI239A CRI239B CRI239C	<b>Quantity:</b>	2 µg 10 µg 1.0 mg
<b>Alternate Names:</b>	Interleukin-16, LCF, prIL16, IL-16		
<b>Gene ID:</b>	3603		
<b>Description:</b>	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.		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	13.4 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris + 150 mM NaCl, pH 7.0 + 2 mM β-mercaptoethanol.		
<b>Purity:</b>	≥ 95% by SDS-PAGE and HPLC analyses.		
<b>Endotoxin Level:</b>	Less than 1EU/µg of rHuIL-16 (130a.a.) as determined by LAL method.		
<b>Biological Activity:</b>	Fully biologically active when compared to standard. The biologically active determined by a chemotaxis bioassay using human CD4+ T Lymphocytes is in a concentration range of 1.0-100 ng/ml.		
<b>Amino Acid Sequence:</b>	MPDLNSSTD S AASASAASDV SVESTAEATV CTVTLEKMSA GLGFSLEGGK GSLHGDKPLT INRIFKGAAS EQSETVQPGD EILQLGGTAM QGLTRFEAWN IICALPDGPV TIVIRRKSLQ SKETTAAGDS		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	This lyophilized preparation is stable at 2-4°C, but should be kept desiccated at -20°C for long term storage. Upon reconstitution, the preparation is stable for up to one week at 2-4°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. <b>Avoid repeated freeze/thaw cycles.</b>		

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