

## IL-16 Protein, Human (130a.a.)

Cat. No.:	HY-P7035
Synonyms:	rHuIL-16; Lymphocyte chemoattractant factor; LCF
Species:	Human
Source:	E. coli
Accession:	Q14005 (M1203-S1332)
Gene ID:	3603
Molecular Weight:	Approximately 13,400 Da

### PROPERTIES

AA Sequence	<pre> M P D L N S S T D S   A A S A S A A S D V   S V E S T A E A T V   C T V T L E K M S A G L G F S L E G G K   G S L H G D K P L T   I N R I F K G A A S   E Q S E T V Q P G D E I L Q L G G T A M   Q G L T R F E A W N   I I K A L P D G P V   T I V I R R K S L Q S K E T T A A G D S           </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM acetic buffer, pH 5.0, 150 mM NaCl and 0.5 mM DTT.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>Recombinant Human IL-16 produced in E. coli is a single, non-glycosylated polypeptide chain containing 130 amino acids. Interleukin-16, a proinflammatory cytokine produced in CD8<sup>+</sup> lymphocytes, is synthesized as a precursor protein (pro-IL-16). It is postulated that the C-terminal region of pro-IL-16 is cleaved, releasing bioactive IL-16. IL-16 is produced and secreted predominantly by CD8<sup>+</sup> T lymphocytes, and it exerts chemoattractant, growth factor, and other activities on lymphocytes, monocytes, and eosinophils by interaction with CD4<sup>[1]</sup>.</p>
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### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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