

## Product datasheet for **TP720036**

### IL16 (NM\_001172128) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human interleukin 16 (lymphocyte chemoattractant factor) (IL16), transcript variant 3.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ser130
Tag:	Tag Free
Predicted MW:	13.3 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Bioactivity:	Specific Activity is greater than 1.0 x 10 <sup>4</sup> IU/mg as determined by the ability of Recombinant IL-16 to chemoattract human CD4+ T lymphocytes using a concentration range of 10.0-100.0 ng/ml
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001165599</a>
Locus ID:	3603
UniProt ID:	<a href="#">Q14005</a>
Cytogenetics:	15q25.1
Synonyms:	LCF; NIL16; prIL-16; PRIL16



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**Summary:**

The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is reported to be involved in the proteolytic processing of this protein. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**