

## Product datasheet for **TP720036XL**

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

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human interleukin 16 (lymphocyte chemoattractant factor) (IL16), transcript variant 3.
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Ser130
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	13.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.0.
<b>Bioactivity:</b>	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
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Reconstitution Method:</b>	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.
<b>Storage:</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Stability:</b>	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<u><a href="#">NP_001165599</a></u>
<b>Locus ID:</b>	3603
<b>UniProt ID:</b>	<u><a href="#">Q14005</a></u>
<b>Cytogenetics:</b>	15q25.1


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**Synonyms:** LCF; NIL16; prIL-16; PRIL16

**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:

