

Active Recombinant Chicken Interleukin 16 (Lymphocyte Chemoattractant Factor)

Cat. No. IL16-247C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Chicken IL-16 was expressed in Yeast. MW= 12.6 kDa (120 aa).
Species	Chicken
Source	Yeast
Description	IL-16 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 IL-16 is mediated by CD4. The product of this gene undergoes proteolytic processing, which is found to yield two functional proteins. IL-16 functions 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. Two transcript variants encoding different isoforms have been found for this gene. IL-16 stimulates a migratory response in cd4+ lymphocytes, monocytes, and eosinophils. Also induces t-lymphocyte expression of interleukin 2 receptor. ligand for cd4.
Formulation/ Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purification	Ion-exchange chromatography.
Purity	>95% as visualized by SDS-PAGE analysis.

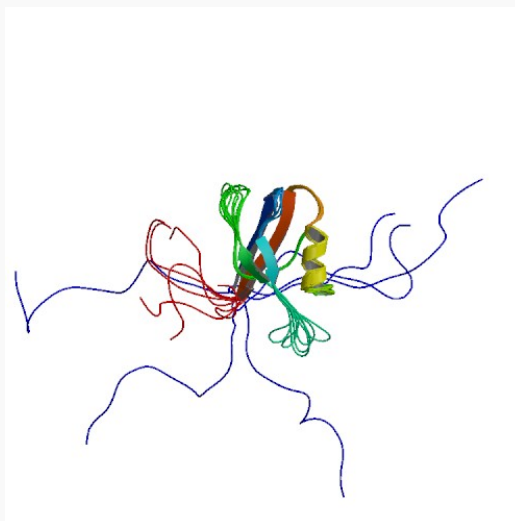
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Amino Acid Sequence	SSTSSVASDA SQESTTEETI CTITLDKTAA GLGFSLEGGK GSIHGDKPII INRIFKGTSL EQSSPVQPGD ELLQVHTTAL QGLTRFEAWN IIKALPDGPI TAIIKRKNPS SVTKKASETL.
Bioactivity	The biological activity of recombinant chicken IL-16 was determined in a chemotaxis assay using a Boyden chamber with chicken PBMC following initial culture with IL-16. Bioactivity is typically detected starting at 78 ng/mL.
Stability And Storage	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.
GENE INFORMATION	
Gene Name	IL16 interleukin 16 (lymphocyte chemoattractant factor) [Gallus gallus]
Synonyms	interleukin 16 (lymphocyte chemoattractant factor); IL16;interleukin 16
Gene ID	374270
mRNA Refseq	NM_204352.3
Protein Refseq	NP_989683.3
Chromosome Location	10

PDB rendering based
on 1i16.



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