Recombinant Bovine Chemokine (C-X-C motif) Ligand 11

Cat. No. CXCL11-134B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine CXCL11 protein was expressed in Yeast and purified by using Ion-exchange chromatography, 8.8 kDa (79 aa).
Species	Bovine
Source	Yeast
Description	Chemokine (C-X-C motif) ligand 11 (CXCL11) is a small cytokine belonging to the CXC chemokine family that is also called Interferon-inducible T-cell alpha chemoattractant (I-TAC) and Interferon-gamma-inducible protein 9 (IP-9). It is highly expressed in peripheral blood leukocytes, pancreas and liver, with moderate levels in thymus, spleen and lung and low expression levels were in small intestine, placenta and prostate.
Sequences Of Amino Acids	FPMFKGGRCL CIGPGVKAVK VADIEKVSII YPTNNCDKTE VIITLKTHKG QRCLNPKAKQ AKAIIKKVQR KNSEKYKNI.
Formulation/Reconstitution	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
Purity	>95% as visualized by SDS-PAGE analysis.
Purification	Ion-exchange chromatography.
Biological Activity	The biological activity of recombinant bovine CXCL11 was determined in a

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	chemotaxis assay using a Boyden chamber with bovine PBMC following initial culture with IL-2. Bioactivity is typically detected at 25 ng/mL.
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.
Pathways	Chemokine signaling pathway; Cytokine-cytokine receptor interaction; Toll-like receptor signaling pathway

GENE INFORMATION

Gene Name	CXCL11 chemokine (C-X-C motif) ligand 11 [Bos taurus]
Synonyms	CXCL11; chemokine (C-X-C motif) ligand 11; C-X-C motif chemokine 11; I-TAC; small-inducible cytokine B11
Gene ID	516104
mRNA Refseq	NM_001113173
Protein Refseq	NP_001106644
UniProt ID	A9QWQ1
Chromosome Location	6
Function	chemokine activity

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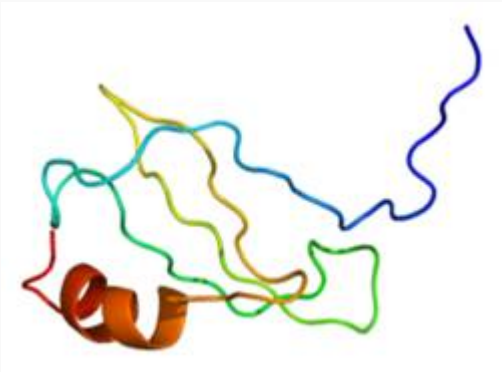
PDB rendering based on 1rjt	

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