

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

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

SPECIFICATION

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| 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 AKAIKKVQR 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

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|----------------------------|--|
| Gene Name | CXCL11 chemokine (C-X-C motif) ligand 11 [<i>Bos taurus</i>] |
| 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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