

Recombinant Bovine Interleukin 8

Cat. No. IL8-242B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine IL8 was expressed in Yeast. MW= 9.1 kDa (79 aa).
Species	Bovine
Source	Yeast
Description	Interleukin-8 (IL-8) is a chemokine, a member of the cytokine family that displays chemotactic activity for specific types of leukocytes. It is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. Many cell types, including monocyte/macrophages, T cells, neutrophils, fibroblasts, endothelial cells, keratinocytes, hepatocytes, chondrocytes, and various tumor cell lines, can produce CXCL8/IL-8 in response to a wide variety of pro-inflammatory stimuli such as exposure to IL-1, TNF, LPS, and viruses.
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.
Amino Acid Sequence	AVLSRMSTEL RCQCIKTHST PFHPKFIKEL RVIESGPHCE NSEIIVKLTN GNEVCLNPKE KVVQKVVQVF VKRAEKQDP.
Bioactivity	In testing.

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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	IL8 interleukin 8 [Bos taurus]
Synonyms	interleukin 8; IL8; IL-8; interleukin-8; C-X-C motif chemokine 8;neutrophil activating peptide 1
Gene ID	280828
mRNA Refseq	NM_173925.2
Protein Refseq	NP_776350.1
UniProt ID	P79255
Chromosome Location	6
Pathway	Bladder cancer; Chemokine signaling pathway; Cytokine-cytokine receptor interaction; NOD-like receptor signaling pathway; Pathways in cancer; RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway
Function	interleukin-8 receptor binding; chemokine activity; protein binding

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PDB rendering based
on 1IL8.

