

# Recombinant Bovine Interleukin 21

**Cat. No.** IL21-238B    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Bovine IL-21 was expressed in Yeast. MW= 15.1 kDa (129 aa).
<b>Species</b>	Bovine
<b>Source</b>	Yeast
<b>Description</b>	Interleukin-21 is a protein that in humans is encoded by the IL21 gene. Interleukin 21 is a cytokine that has potent regulatory effects on cells of the immune system, including natural killer (NK) cells and cytotoxic T cells that can destroy virally infected or cancerous cells. This cytokine induces cell division/proliferation in its target cells.
<b>Formulation/ Reconstitution</b>	Lyophilized. Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.
<b>Purification</b>	Ion-exchange chromatography.
<b>Purity</b>	>95% as visualized by SDS-PAGE analysis.
<b>Amino Acid Sequence</b>	HKSSSQGQDR LFIRLRQLID IVDQLKNYVN DLDPEFLPAP EDVKRHCERS AFSCFQKVQL KSANNGDNEK IINILTKQLK RKL PATNTGR RQKHEVTCPS CDSYEKKPPK EYLERLKSLI QKMIHQHLS.
<b>Bioactivity</b>	In testing.
<b>Stability And Storage</b>	Stable for up to twelve months from date of receipt at -20°C. Stable for at least 3

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months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	IL21 interleukin 21 [ Bos taurus ]
<b>Synonyms</b>	interleukin 21; IL21; interleukin-21; IL-21
<b>Gene ID</b>	378475
<b>mRNA Refseq</b>	NM_198832.1
<b>Protein Refseq</b>	NP_942129.1
<b>UniProt ID</b>	Q76LU5
<b>Chromosome Location</b>	17
<b>Pathway</b>	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
<b>Function</b>	cytokine activity; interleukin-2 receptor binding

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