

Recombinant Bovine Interleukin 21

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

SPECIFICATION

Product Overview	Recombinant Bovine IL-21 was expressed in Yeast. MW= 15.1 kDa (129 aa).
Species	Bovine
Source	Yeast
Description	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.
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	HKSSSQGQDR LFIRLRQLID IVDQLKNYVN DLDPEFLPAP EDVKRHCERS AFSCFQKVQL KSANNGDNEK IINILTKQLK RKL PATNTGR RQKHEVTCPS CDSYEKKPPK EYLERLKSLI QKMIHQHLS.
Bioactivity	In testing.
Stability And Storage	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

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

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