

# Recombinant Bovine Interleukin 17A

**Cat. No.** IL17A-236B    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Bovine IL-17A was expressed in Yeast. MW= 17.4 kDa (132 aa).
<b>Species</b>	Bovine
<b>Source</b>	Yeast
<b>Description</b>	Interleukin-17A is a protein that in humans is encoded by the IL17A gene. The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.
<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>	KAGVIIPQSP GCPPTEDKNF PQHVRVNLNI VNRSTNSRRP TDYHKRSTSP WTLHRNEDPE RYPSVIWEAK CSHSGCINAE GKVDHMHNSV TIQQEILVLR RESQHCPHSF RLEKMLVAVG CTCVTPIVRH LA.

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**Bioactivity** In testing.

**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** IL17A interleukin 17A [ Bos taurus ]

**Synonyms** interleukin 17A; IL17A; IL17; IL-17; interleukin-17A; IL-17A; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)

**Gene ID** 282863

**mRNA Refseq** NM\_001008412.1

**Protein Refseq** NP\_001008412.1

**UniProt ID** Q687Y7

**Chromosome Location** 23

**Pathway** Cytokine-cytokine receptor interaction

**Function** cytokine activity

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