

Recombinant Bovine Interleukin 17A

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

SPECIFICATION

Product Overview	Recombinant Bovine IL-17A was expressed in Yeast. MW= 17.4 kDa (132 aa).
Species	Bovine
Source	Yeast
Description	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.
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	KAGVIIPQSP GCPPTEDKNF PQHVRVNLNI VNRSTNSRRP TDYHKRSTSP WTLHRNEDPE RYPSVIWEAK CSHSGCINAE GKVDHMHMSV TIQQEILVLR RESQHCPHSF RLEKMLVAVG CTCVTPIVRH LA.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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