

Recombinant Equine Interleukin 17A

Cat. No. IL17A-254E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine IL-17A was expressed in Yeast. MW= 14.9 kDa (130 aa).
Species	Equine
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	GIVIPQNPEC PNTGDKNFPQ NVKINLNVLN RKTNSRRASD YHNRSTSPWN LHRNEDPERY PSVIWEAKCR HLGCVNAEGK VDFHMNSVPI QQEILVLRRE SQNCPHSFQL EKMLVAVGCT CVTPIVRHMG.

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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 [Equus caballus]
Synonyms	interleukin 17A; IL17A; IL17; interleukin 17
Gene ID	100034142
mRNA Refseq	NM_001143792.1
Protein Refseq	NP_001137264.1
Chromosome Location	20
Pathway	Cytokine-cytokine receptor interaction