

## Active Recombinant Mouse Il17a Protein (133 aa)

Cat. No. Il17a-253l Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant murine IL-17A is a 15-20kDa glycosylated cytokine of 133 amino acid polypeptide chain that plays an important role in antimicrobial and chronic inflammation. IL-17 exhibits multiple biological activities on a variety of cells including the induction of IL-6 and IL-8 production in fibroblasts, the enhancement of surface expression of ICAM-1 in fibroblasts, activation of NF-κB and costimulation of T cell proliferation.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	133
<b>Description</b>	Interleukin-17A, (also known as CTLA-8) is a T cell-expressed pleiotropic cytokine that exhibits a high degree of homology to a protein encoded by the ORF13 gene of herpesvirus Saimiri. cDNA clones encoding IL-17 have been isolated from activated rat, mouse and human T cells. IL-17 represents a family of structurally-related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	Measured by its ability to induce IL-1a, IL-4 and IL-6 production by primary mouse splenocytes.

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<b>Molecular Mass</b>	15-22 kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	AAIIPQSSACPNTTEAKDFLQNVKVNKVFNSLGAKVSSRRPSDYLNIRSTSPWTLHRN EDPDRYPSVIWEAQCRHQRCVNAEGKLDHMHMNSVLIQQEILVLKREPESCPFTFRV EKMLVGVGCTCVASIVRQAA
<b>Endotoxin</b>	< 0.2 EU/μg, determined by LAL method.
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant Murine Interleukin-17A (IL-17A) remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, recombinant murine IL-17A should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/mL.

## GENE INFORMATION

<b>Gene Name</b>	Il17a interleukin 17A [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Il17a
<b>Synonyms</b>	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; Il17; Ctl8; IL-17; Ctl8; IL-17A;
<b>Gene ID</b>	16171
<b>mRNA Refseq</b>	NM_010552

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**Protein Refseq** NP\_034682

**UniProt ID** Q62386

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