

Recombinant Mouse IL-17A/CTLA-8 Protein

Catalog No.: RP02520 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16171	Q62386

Tags

C-His

Synonyms

Il17;Ctla8;IL-17;Ctla-8;IL-17A;IL17A;il17a

Product Information

Source	Purification
<i>E. coli</i>	> 98% by SDS-PAGE.

Calculated MW **Observed MW**

Endotoxin

<0.1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of 20 mM sodium citrate, 0.2 M NaCl, pH 4.5.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

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).

Basic Information

Description

Recombinant Mouse IL-17A Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Mouse IL-17A fused with polyhistidine tag at the C-terminus

Bio-Activity

Measured by its ability to inhibit IL-6 secretion in 3T3 cells. The ED₅₀ for this effect is <1 ng/mL. The specific activity of recombinant mouse IL-17A is > 1 x 10⁶ IU/mg.

Storage

Store the lyophilized protein at -20°C to -80°C for long term.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

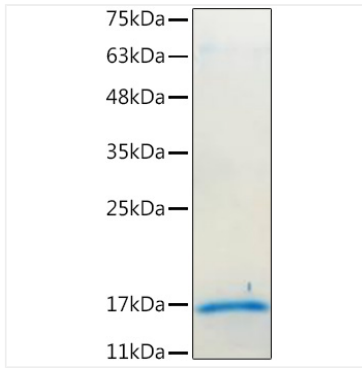
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Validation Data



Recombinant Mouse IL-17A/CTLA-8 Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 17 kDa.