

# Recombinant Mouse IL-19 Protein

Catalog No.: RP01876 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	329244	Q8CJ70

### Tags

C-hFc

### Synonyms

Interleukin-19; IL-19 $\square$ IL19

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
43.57 kDa	55-65 kDa

### Endotoxin

<0.1EU/ $\mu$ g of the protein by LAL method.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

IL-19 shares 21% amino acid identity with IL-10. The exon/intron structure of IL-19 is similar to that of the human IL-10 gene, comprising five exons and four introns within the coding region of the IL-19 cDNA. IL-19 does not bind or signal through the canonical IL-10 receptor complex. IL-19 functions through a receptor complex composed of IL-20Ra and IL20Rb that is also utilized by IL-20 and IL-24. IL19 has been shown to enhance the production of Th2 cytokines in Tcells and to be elevated in asthma patients. Furthermore, it induces IL-6, IL-8 and IL-10 expression in monocytes. Additionally, it has been implicated in a range of diseases and disorders, including aging, Type-I diabetes, endotoxic shock, periodontal disease, vascular disease and rheumatoid arthritis.

## Basic Information

### Description

Recombinant Mouse IL19 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ala176) of Mouse IL19 (Accession #NP\_001009940.1) fused with a hFc tag at the C-terminus.

### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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.

## Contact

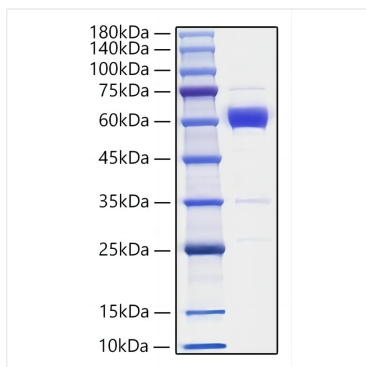
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## Validation Data

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Recombinant Mouse IL-19 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 50-65 kDa.