

# Recombinant Human IL-34 Protein

Catalog No.: RP01713 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
human	146433	Q6ZMJ4

### Tags

C-6His

### Synonyms

IL-34; C16orf77;IL34

## Product Information

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

### Endotoxin

< 0.01EU/ $\mu$ g

### 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 freeze-thaw cycles.

## Contact

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## Background

Interleukins (IL) are a group of cytokines that play an important role in the immune system. They modulate inflammation and immunity by regulating growth, mobility and differentiation of lymphoid and other cells. This entry represents interleukin-34 (IL-34), it was identified via functional screening of a library of secreted proteins [1]. This cytokine promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R)

## Basic Information

### Description

Recombinant human IL-34 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn21-Pro242) of human IL-34 (Accession #NP\_689669.2) fused with and a 6xHis tag at the C-terminus.

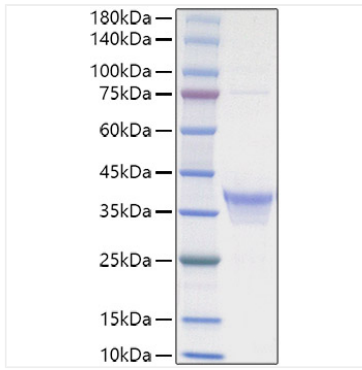
### Bio-Activity

#### 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.

## Validation Data

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Recombinant human IL-34 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-38 kDa.