

# Mouse IL-34 (His Tag) recombinant protein



Catalog Number: 501751

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 235) of mouse mIL34 (NP\_001128572.1) precursor was expressed with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind biotinylated recombinant mouse CSF1R in a functional ELISA.
2. Measured in a cell proliferation assay using M-NFS60 mouse myeloid cells. The ED<sub>50</sub> for this effect is typically 10-50 ng/mL.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Asn 21

### Molecular Mass

The secreted recombinant mouse mIL34 consists of 226 amino acids and has a predicted molecular mass of 26 kDa. Due to glycosylation, rm IL34 migrates as several bands with the MW of approximately 38 kDa or higher in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

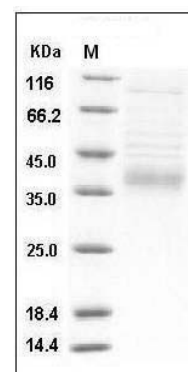
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse IL-34 Protein (His Tag) SDS-PAGE