

Recombinant Human IL-34
Catalog # PBG10230**Specification**

Recombinant Human IL-34 - Product Information**Recombinant Human IL-34 - Additional Information****Description**

IL-34 is a homodimeric cytokine that is expressed in a range of tissues including spleen, heart, brain, liver, kidney, lung, ovary, thymus, testis, small intestine, prostate and colon. IL-34 is a ligand for colony-stimulating factor-1 receptor (CSF1R), which also binds to CSF-1. It specifically binds CD14+ monocytes, promotes survival and proliferation of human peripheral blood monocytes, and stimulates macrophage colony formation by human bone marrow cells. IL-34, like human CSF-1 stimulates phosphorylation of MAPK1/ERK2 and MAPK3/ERK1. Recombinant human IL-34 is a 52.5 kDa homodimeric glycoprotein consisting of 460 amino acid residues, including a C-terminal His-Tag.

Biological Activity

Measured by its ability to induce secretion of MCP-1 from PBMCs.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human IL-34 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human IL-34 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Recombinant Human IL-34 - Images