

Human IL-34, His Tag, E. coli

Catalog Number LDG038PHE

Package 5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human

Affinity Tag

His Tag (C-term)

Purity

>98% as determined by SDS-PAGE analysis.

Activity

Measure by its ability to induce human peripheral blood monocytes (PBMCs) proliferation. The ED₅₀ for this effect is <30 pg/mL.

Form

Lyophilized

Expression system

Escherichia coli

Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

Molecular weight

The protein has a calculated MW of 26.17 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

Background

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Background

Interleukin-34 (IL-34) is a 30 kDa cytokine with 223 amino acid residues. IL-34 is a ligand of CSF-1R and secreted from CSF-1R expressing cells like myeloid cells, epithelial cells, endothelial cells, fibroblasts, and neurons. IL-34 mediates cell survival, proliferation, cytokine/chemokine expression, and migration via activating several signaling pathways. Moreover, it also plays a critical role in developing and maintaining the mononuclear phagocytic system.

Uniprot ID

#Q6ZMJ4

Synonyms

C16orf77, Interleukin-34

Sequence Note

Asn21-Pro242

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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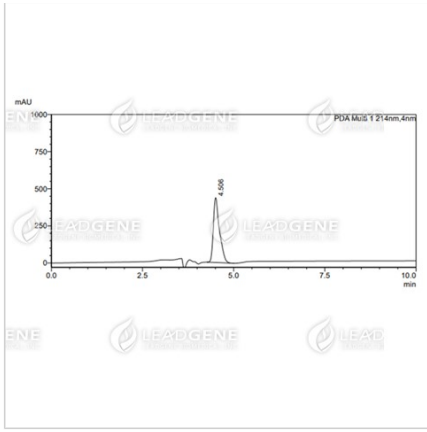
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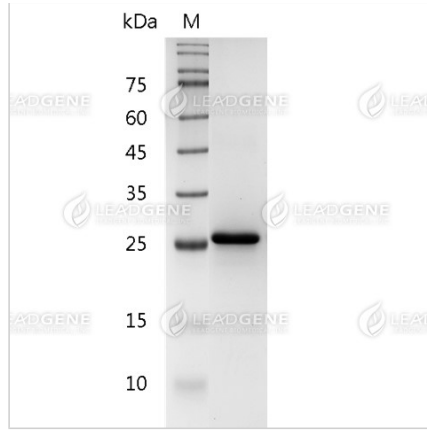
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The purity of recombinant human IL-34 is greater than 95% as determined by RP-HPLC.



SDS-PAGE analysis of recombinant human IL-34.

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