

## Active Recombinant Human IL34 Protein (Asn21-Pro242), C-His tagged, Animal-free, Carrier-free

Cat. No. IL34-31H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL34 Protein (Asn21-Pro242) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn21-Pro242
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce human peripheral blood monocytes (PBMCs) proliferation. The ED50 for this effect is < 30 pg/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 26.17 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).

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<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	IL34 interleukin 34 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL34
<b>Synonyms</b>	IL34; interleukin 34; C16orf77, chromosome 16 open reading frame 77; interleukin-34; IL 34; MGC34647; IL-34; C16orf77;
<b>Gene ID</b>	146433
<b>mRNA Refseq</b>	NM_001172771

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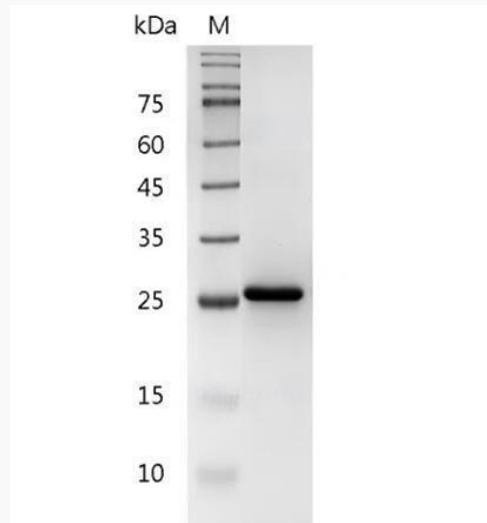
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**Protein Refseq** NP\_001166242

**MIM** 612081

**UniProt ID** Q6ZMJ4

**SDS-PAGE analysis  
of recombinant  
human IL-34.**



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