

Active Recombinant Mouse Il34 Protein (Asn21-Gln218), C-His tagged, Animal-free, Carrier-free

Cat. No. Il34-294M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il34 Protein (Asn21-Gln218) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Asn21-Gln218
Description	Interleukin 34 (IL-34) is a 23.98 kDa cytokine with 216 amino acid residues. IL-34 is a ligand of the colony-stimulating factor 1 receptor (CSF-1R) and is mainly secreted from the adrenal, frontal lobe, and cortex. IL-34 play a vital role in the proliferation, survival, differentiation, and migration of myeloid cells. These functions are mediated by IL-33 activating ERK1 /2, JAK, and PI3K/AKT signal pathways.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in NFS-60 cells. The ED50 for this effect is < 30 ng/mL. The specific activity of recombinant mouse IL-34 is > 3.3 × 10 ⁴ IU/mg.
Molecular Mass	The protein has a calculated MW of 25.52 kDa. The protein migrates about 25 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

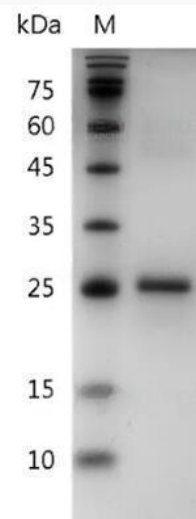
Gene Name	IL34 interleukin 34 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL34
Synonyms	IL34; interleukin 34; interleukin-34; IL-34; AI593503; 2010004A03Rik;
Gene ID	76527
mRNA Refseq	NM_001135100
Protein Refseq	NP_001128572
UniProt ID	Q8R1R4

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



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