


## Mouse IL-34 Protein, His tag (Animal-Free)

Cat #: PRP1183

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Mouse IL-34 Protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP1183	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> > 98 % as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20°C		<b>Preparation method:</b> E.coli
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** Interleukin 34 (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.

**Sequence:** Amino acid sequence derived from Mouse IL-34 (Asn 21-Pro 235) (Q8R1R4) was expressed with 6×His tag at the C-terminus.

**Protein length:** The recombinant Mouse IL-34 consists of 215 amino acids and predicts a molecular mass of 25.52 kDa.

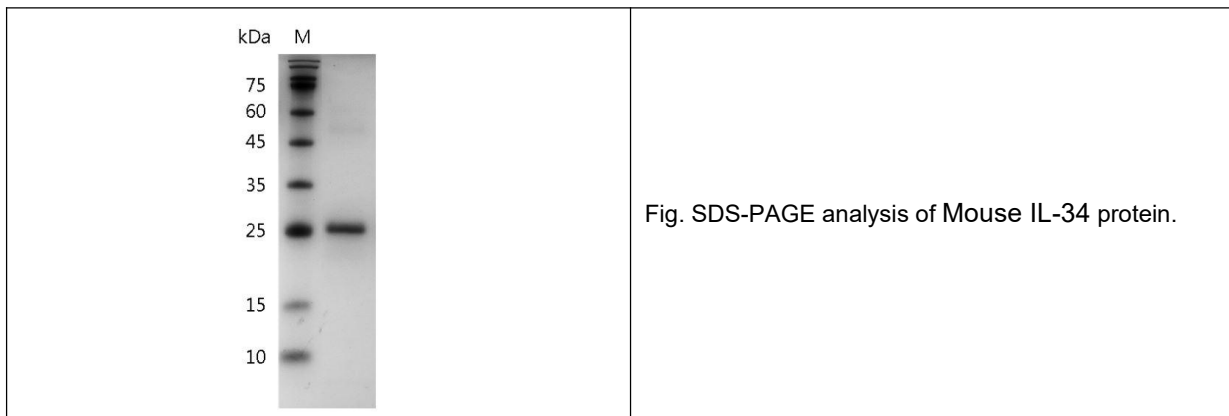
**Biological Activity:** Measure by its ability to induce proliferation in NFS-60 cells. The ED<sub>50</sub> for this effect is <30 ng/mL.

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

**Formulation:** Lyophilized from PBS, pH 7.4.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10% FBS or 0.1% BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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