


Human IL-34 Protein, His tag (Animal-Free)

Cat #: PRP1918

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-34 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1918	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-34 (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.

Sequence: Amino acid sequence derived from Human IL-34 (Asn21-Pro242) (Q6ZMJ4) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-34 consists of 222 amino acids and predicts a molecular mass of 26.2 kDa.

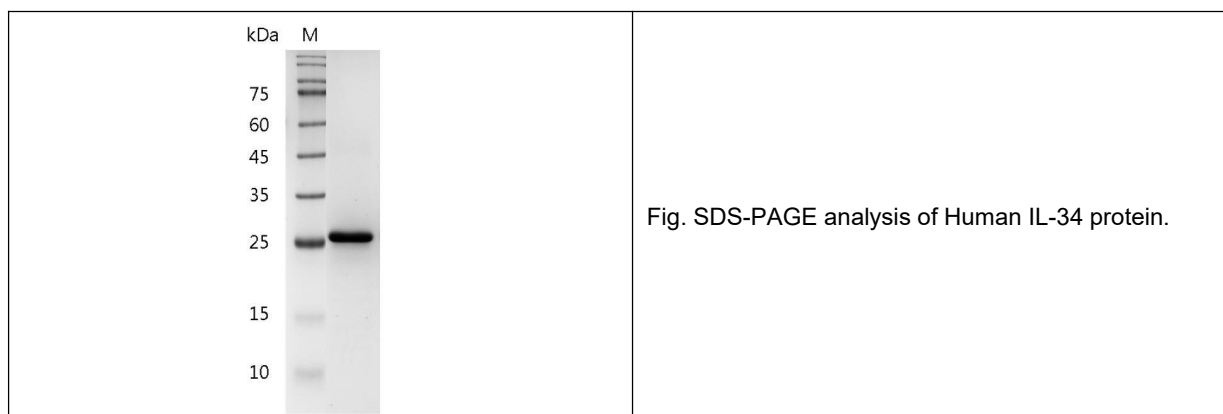
Biological Activity: Measure by its ability to induce human peripheral blood monocytes (PBMCs) proliferation. The ED₅₀ for this effect is < 30 pg/mL.

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

Formulation: Lyophilized from PBS, pH 8.0.

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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