


Human IL33 protein

Cat #: PRP1018

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL33 protein		
REF	Catalog Number: PRP1018	LOT	Lot Number: Refer to product label
	Purity: >98 % as determined by SDS-PAGE		
	Storage: Store at -20C		Preparation method: <i>E.coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin 33 (IL-33), also known as DVS27 or NF-HEV (Nuclear Factor from High Endothelial enules), is a proinflammatory protein and a chromatin-associated cytokine of the IL-1 family with high sequence and structural similarity to IL-1 and IL-18. IL-33 protein is expressed highly and rather selectively by high endothelial venule endothelial cells (HEVECs) in human tonsils, Peyers's patches, and lymph nodes. IL-33 protein has transcriptional regulatory properties, and the researchers suggested that IL-33 is a dual-function protein that might act both as a cytokine and as an intracellular nuclear factor. As a type 2 cytokines, IL-33 protein also plays a pivotal role in helminthic infection and allergic disorders.

Sequence: Amino acid sequence derived from human IL-33 isoform (O95760) (Ser112-Thr270) was expressed.

Protein length: The recombinant human IL-33 consists of 160 amino acids (N-Met) and has a predicted molecular mass of 18.1 kDa. The apparent molecular mass of the human IL-33 is approximately 18 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris , 50 mM NaCl, pH 5.0, 1 mM DTT and 1 mM EDTA.

Storage Instructions: Lyophilized Human IL33 protein protein product should be stored desiccated below -20C. Upon reconstitution, the protein should be stored at 4C between 2 -7 days and for future use below -20C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL33 protein protein using the buffer we provided not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

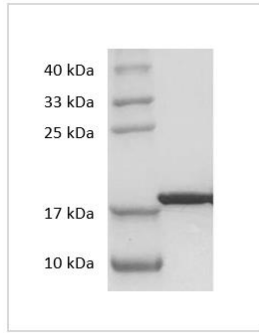


Fig. SDS-PAGE analysis of Human IL33 protein.

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