

Recombinant Human IL-33 Protein

Catalog No	RP00019	Category	Protein
Description	Recombinant Human IL-33 Protein is produced by <i>E. coli</i> expression system. The target protein is expressed with sequence (Ser112-Thr270) of human IL-33 (Accession #NP_001300973.1).		
Bio-Activity	Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED ₅₀ for this effect is 0.06-0.24 ng/mL.		

Sequence Information

Species	Human	Gene ID	90865
Tags	No tag	Swiss Prot	O95760
Synonyms	C9orf26;DVS27;IL1F11;NF-HEV;NFEHEV		
AA Sequence	SITGISPITEYLASLSTYNDQSITFALEDESIEIYVEDLKKDEKDKVLLSYYESQHPSN ESGDGVDGKMLMVTLSPTKDFWLHANNKEHSVELHKCEKPLPDQAFFVLHNMHSNCVSFE CKTDPGVFIGVKDNHLALIKVDSSENLCTENILFKLSET		

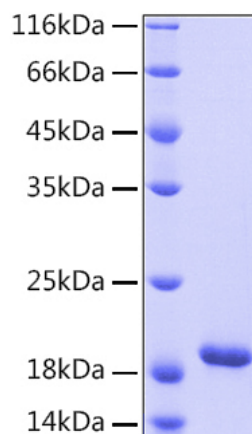
Product information

Source	<i>E. coli</i>
Purity	> 97% by SDS-PAGE.
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

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. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells.

SDS-PAGE



Bioactivity

Recombinant Human IL-33 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 19 kDa.