

32-1516: IL 33 His Recombinant Protein

Alternative Name : Interleukin 33,DVS27,NF-HEV,NKHEV,C9orf26,Interleukin-1 family member 11,IL- 1F11,Nuclear factor from high endothelial venules,NFEHEV,DKFZp586H0523,RP11-575C20.2,IL-33,IL33.

Description

Source : Escherichia Coli. Interleukin-33 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 159 amino acids C-terminal fragment (112-270) having a molecular weight of 22.49kDa and fused with a 4.5kDa amino-terminal hexahistidine tag. The IL-33 His is purified by proprietary chromatographic techniques. Interleukin 33 (IL-33) is a 32kDa proinflammatory cytokine that may also regulate gene transcription in producer cells. IL-33 is structurally related to IL-1, which induces helper T cells to produce type 2 cytokines and acts through the receptor IL1RL1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : Interleukin-33 protein solution is supplied in 10mM Tris-HCl pH 8.0, 180mM NaCl and 50% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.