
Product Data Sheet

Product Name: IL 33 Human, His
Cat. No.: GP20646
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Formulation	Interleukin-33 protein solution is supplied in 10mM Tris-HCl pH 8.0, 180mM NaCl and 50% glycerol.		

Introduction

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 IL1RL-1 (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.

Stability

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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