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IL33 Mouse, His

Interleukin-33 Mouse Recombinant, His Tag
CYK0427

Product Overview

Name	IL33 Mouse, His
Description	
Interleukin-33 Mouse Recombinant, His Tag	
Accession (Primary)	Q8BVZ5
Synonyms	
9230117N10Rik, Il-33, Il1f11, NF-HEV, Interleukin-33.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
IL33 protein solution (0.5mg/ml) containing Phosphate buffered saline,10% glycerol and 1mM DTT.	
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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS SIQGTSL LTQSPASLST YNDQSVSFVL ENGCYVINVD DSGKDQEQDQ VLLRYYESPC PASQSGDGVD GKKLMVNMSP IKDTDIWLHA NDKDYSVELQ RGDVSPPEQA FFVLHKKSSD FVSFECKNLP GTYIGVKDNQ LALVEEKDES CNNIMFKLSK I.	

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Biological Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED 50 for this effect is ≤ 0.1ng/ml.

Precautions

IL33 Mouse, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8BVZ5)