

IL33 active protein

Recombinant Human IL33

CATALOG #
AAA214237

HOST
E Coli

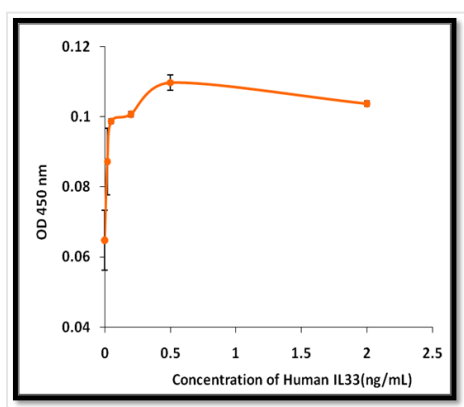
PRODUCT SYNONYMS

IL33; Recombinant Human IL33; IL-33; Nuclear factor from high endothelial venules; Interleukin-1 family member 11; IL1F-11; C9orf26; NF-HEV; Recombinant Human Interleukin-33 (IL33); IL33 active protein

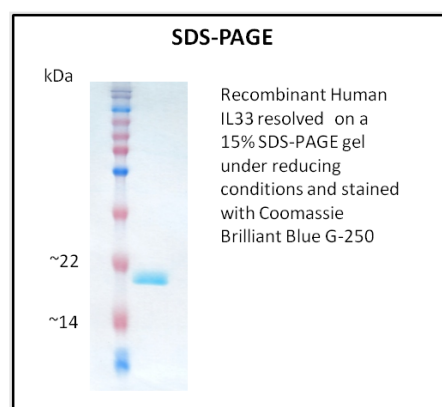
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from 0.2 um filtered 1.0 mg/mL in PBS buffer.
Sequence Length	144
Bioactivity	The ED(50) was determined by the dose-dependent proliferation of murine D10S cells is ≤ 0.03 ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL33 active protein	IL-33, a member of the IL-1 family, signals via a heterodimeric receptor complex consisting of ST2 and IL-1R accessory protein and triggers the activation of NF-B and all three MAPKs: p38, ERK1/2, and JNK1/2 in mast cells. IL-33 is expressed in multiple tissues and by several cell types such as dermal fibroblasts and small airway epithelial and bronchial smooth muscle cells. IL-33 activated IL-1-like signaling responses in mast cells and enhanced IL-5 and IL-13 production from murine Th2-polarized splenocytes. Moreover, it was found that both human and murine mast cells when stimulated in vitro with IL-33 produced a wide spectrum of cytokines and chemokines. In addition, IL-33 enhanced IL-4-driven Th2 cell responses and acted as a selective chemoattractant for Th2 cell recruitment.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	314122337
NCBI GeneID	90865
NCBI Accession #	NP_001186570.1
NCBI GenBank Nucleotide #	NP_001186570.1
UniProt Accession #	O95760
Molecular Weight	18.0 kDa
NCBI Official Full Name	interleukin-33 isoform c
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26
NCBI Protein Information	interleukin-33
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	C9orf26; IL1F11; NFHEV; IL-33; IL-1F11; NF-HEV
UniProt Entry Name	IL33_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il33/214237>