

IL-33 Recombinant Protein | IL33 recombinant protein

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CATALOG #
AAA10966

APPLICATIONS
ELISA, Western Blot

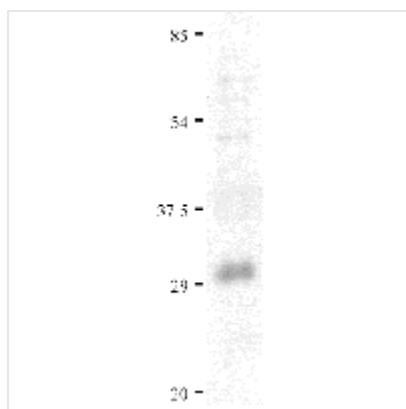
PRODUCT SYNONYMS

IL-33; IL-33 Recombinant Protein; DVS27; IL1F11; NF-HEV; NFEHEV; C9orf26; NFHEV; Interleukin-33; Interleukin-1 family member 11; interleukin 33; IL33 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	~95%
Form/Format	Liquid
Sequence	aa 1-270
Sequence Length	270
Applicable Applications for IL33 recombinant protein	ELISA, WB (Western Blot)
Application Notes	This recombinant protein can be used for WB, ELISA. For research use only.
Source	E Coli
Species	Human
Buffer	100mM sodium phosphate, 500mM NaCl, 25 mM imidazole, 10% glycerol
Fusion Tag	Fusion Partner: C-terminal His-tag
Predicted Molecular Weight	30kDa (Calculated)
Preparation and Storage	Store in working aliquots at -70°C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature. Shipping: Ships with Dry Ice.

IMAGES



SDS-PAGE

SDS-PAGE analysis of recombinant IL-33 fragment on Coomassie Blue-stained 4-20% gradient gel.

ADDITIONAL INFORMATION

Related Product Information for IL33 recombinant protein	Interleukin-33 (IL-33) is a recently identified member of the IL-1 family of cytokines whose other members include IL-1, IL-1Ra and IL-18 (1,2). Its receptor has been shown to be ST2, an IL-1 receptor family member that also acts as a negative regulator of TLR-IL-1R signaling (1,3) and IL-1R accessory protein (IL-1RAcP) (4). Receptor binding of IL-33 activates NF-B and MAP kinases and induces the expression of TH2-associated cytokines such as IL-4, IL-5 and IL-6. Prolonged IL-33 treatment of mice led to the development of eosinophilia, splenomegaly, and severe pathological changes in mucosal organs such as lungs, esophagus and small intestine (2). Recent experiments have shown that IL-33 can also co-localize with heterochromatin and possesses transcriptional repressor activities, indicating that IL-33 may function as both a proinflammatory cytokine and an intracellular nuclear factor with transcriptional regulatory properties (5).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15559209
NCBI GeneID	90865
NCBI Accession #	NP_254274
NCBI GenBank Nucleotide #	NM_033439.3
UniProt Accession #	O95760; Q2YEJ5; B2R8L1; B4DJ35; B4E1Q9; D3DRI5; E7EAX4
NCBI Official Full Name	interleukin-33 isoform 1
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; IL-33; IL-1F11; DVS27-related protein; interleukin-1 family member 11; nuclear factor for high endothelial venules; nuclear factor from high endothelial venules
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.