

Interleukin-33 Active Protein | rIL 33 active protein

Recombinant Rat Interleukin-33

CATALOG #
AAA38972

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-33; Recombinant Rat Interleukin-33; IL 33 Rat; Interleukin-33 Rat Recombinant; 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; rIL 33 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	SIQGTSLLTE SCALSTYNDQ SVSFVLENGC YVINVEDCGK NQEKDKVLLR YYESSFPAQS GDGVDGKKLM VNMSPIKDTD IWLNANDKDY SVELQKGDVS PPDQAFFVLH KKSSDFVSFE CKNLPGTYIG VKDNQLALVE ENDESCNNIM FKLSKM
Sequence Length	264
Solubility	It is recommended to reconstitute the lyophilized IL-33 in sterile 18M-cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine D10S cells is <0.5ng/ml, corresponding to a specific activity of >2,000,000units/mg.

ADDITIONAL INFORMATION

Related Product Information for rIL 33 active protein	Description: IL 33 Rat Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 156 amino acids and having a molecular mass of 17.4kDa. The IL 33 is purified by proprietary chromatographic techniques. 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.
Product Categories/Family for rIL 33 active protein	Cytokines and Growth Factors ; Cytokines ; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	62079057
NCBI GeneID	361749
NCBI Accession #	NP_001014188.1
NCBI GenBank Nucleotide #	NM_001014166.1
UniProt Accession #	Q66H70

NCBI Official Full Name	interleukin-33
NCBI Official Synonym Full Names	interleukin 33
NCBI Official Symbol	IL33
NCBI Official Synonym Symbols	RGD1311155
NCBI Protein Information	interleukin-33; IL-33
UniProt Protein Name	Interleukin-33
UniProt Gene Name	IL33
UniProt Synonym Gene Names	IL-33
UniProt Entry Name	IL33_RAT

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-ril-33-active-protein/interleukin-33/38972>