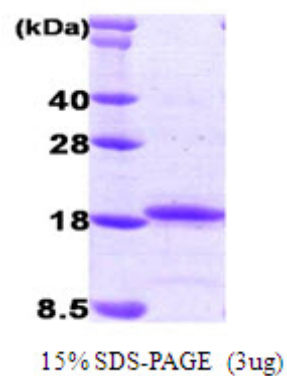


AR09048PU-N

Recombinant human Interleukin-33 (IL-33) (aa 112-270)

Alternate names:	C9orf26, IL-1F11, IL-33, IL1F11, Interleukin-1 family member 11, NF-HEV, NFHEV, Nuclear factor from high endothelial venules
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	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 IL1RL1 (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.
Uniprot ID:	O95760
NCBI:	NP_001186569.1
GenelD:	90865
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% >= 95% by SDS PAGE Buffer System: 20mM Tris pH 8.0
Description:	Recombinant human IL-33 (C-terminal fragment) was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MSITGISPIT EYLASLSTYN DQSITFALED ESYEIYVEDL KKDEKKDKVL LSYYESQHPS NESGDGVDGK MLMVTLSP TK DFWLHANNKE HVELHKCEK PLPDQAFFVL HNMHSNCVSF ECKTDPGVFI GVKDNHLALI KVDSSNLCT ENILFKLSET Molecular weight: kDa 18 kDa (160 aa)
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Brint EK., et al. (2005) J Biol Chem. Dec 20;277(51). Schmitz., et al. (2005) immunity 23:479. Baekkevold, E.S., et al. (2003) Am. J.Pathol. 163(1): 69-90.

Pictures:



Interleukin 33: 15% SDS-PAGE (3 μ g)

