

32-1515: IL 33 Recombinant Protein

Alternative Name : 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.

Description

Source : Escherichia Coli. Interleukin33 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 160 amino acids and having a molecular mass of 18,125 Dalton. The IL-33 is purified by proprietary chromatographic techniques. 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 Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content : Lyophilized from 10mM NaP pH-7.5.
Storage condition : Lyophilized IL-33 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL33 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid : MSITGISPIT EYLASLSTYN DQSITFALED ESYEIYVEDL KKDEKKDKVL LSYYESQHPS NESGDGVDGK
MLMVTLSPTK DFWLHANNKE HVELHKCEK PLPDQAFFVL HNMHSNCVSF ECKTDPGVFI GVKDNHLALI
KVDSSNLCT ENILFKLSET.

Application Note

It is recommended to reconstitute the lyophilized IL-33 in sterile 18MΩ·cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

