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32-6476: IL 33 Rat, His

Alternative Name : Interleukin-33, IL-33.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
nterleukin 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.
IL 33 Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids (109-264 a.a) and having a molecular mass of 19.8kDa.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	IL 33 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSSIQGTSL LTESCALSTY NDQSVSFVLE NGCYVINVED CGKNQEKDKV LLRYYESSFP AQSGDGVDGK KLMVNMSPIK DTDIWLNAND KDYSVELQKG DVSPPDQAFF VLHKKSSDFV SFECKNLPGT YIGVKDNQLA LVEENDESCN NIMFKLSKM.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.