

IL33, 109-264aa, Rat, His tag, E.coli

Cat.NO.: TP02636

3th Edition

Synonyms:RGD1311155

Description:IL33 also known as Interleukin-33. IL33 induces production of large amounts of IL5 and IL13 by group 2 innate lymphoid cells (ILC2s), for initiation of allergic inflammation shortly after exposure to allergens or infection with parasites or viruses. IL33 appears to function as an alarmin (alarm signal) rapidly released from producing cells upon cellular damage or cellular stress. Recombinant rat IL33, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

Molecular Weight:19.8kDa (179aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSSIQGTSLLETSCALSTYNDQSVSFVLENGCYVINVEDCGKNQEKDKVLLRYY
ESSFPAQSGDGDGKKLMVNMSPIKDTDIWLNANDKDYSVELQKGDVSPDQAFFVLHKKSSDFVSFECKNLPGT
YIGVKDNQLALVEENDESCNNIMFKLSKM

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.