Recombinant rat IL-33 protein

Catalog Number: ATGP3167

PRODUCT INFORMATION

Expression system
E.coli

Domain
109-264aa

UniProt No.
Q66H70

NCBI Accession No.
NP_001014188

Alternative Names
Interleukin-33

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

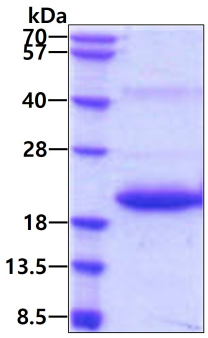
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General References

Cayrol C., et al. (2014) Current Opinion in Immunology. 31:31-37.
Pomeshchik Y., et al. (2015) Brain Behavior Immunity. 44:68-81

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.