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Recombinant mouse IL-34 protein

Catalog Number: ATGP2951

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-235aa

UniProt No.

08R1R4

NCBI Accession No.

NP 001128572

Alternative Names

Interleukin-34, 2010004A03Rik

PRODUCT SPECIFICATION

Molecular Weight

26.8 kDa (236aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

IL34 is a cytokine that promotes the proliferation, survival and differentiation of monocytes and macrophages. This protein promotes the release of proinflammatory chemokines, and thereby plays an important role in innate immunity and in inflammatory processes. It plays an important role in the regulation of osteoclast proliferation and differentiation, and in the regulation of bone resorption. Signaling via CSF1R and its downstream effectors stimulates phosphorylation of MAPK1/ERK2 AND MAPK3/ERK1. Recombinant Mouse IL34 protein, fused to His-tag at N-terminus, was expressed in E. coli.



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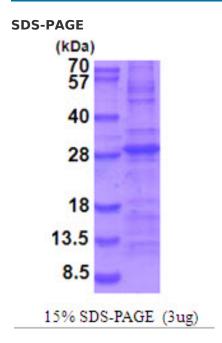
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MNENLEIWTL TQDKECDLTG YLRGKLQYKN RLQYMKHYFP INYRIAVPYE GVLRVANITR LQKAHVSERE LRYLWVLVSL NATESVMDVL LEGHPSWKYL QEVQTLLENV QRSLMDVEIG PHVEAVLSLL STPGLSLKLV RPKALLDNCF RVMELLYCSC CKQSPILKWQ DCELPRLHPH SPGSLMQCTA TNVYPLSRQT PTSLPGSPSS SHGSLP

General References

Greter M,et al. (2012) Immunity 37 (6), 1050-1060

DATA



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

