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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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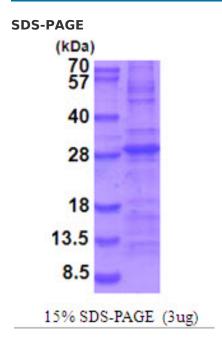
# **Amino acid Sequence**

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.

