

# Recombinant human IL-34 protein

Catalog Number: ATGP1990

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

21-242aa

**UniProt No.**

Q6ZMJ4

**NCBI Accession No.**

NP\_689669.1

**Alternative Names**

Interleukin 34, C16orf77, MGC34647

## PRODUCT SPECIFICATION

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**Molecular Weight**

29.6 kDa (260aa)

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

**Purity**

&gt; 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

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**Description**

IL34, also known as Interleukin 34, is a protein belonging to a group of cytokines called interleukins. This protein increases growth or survival of immune cells known as monocytes; it elicits its activity by binding the Colony stimulating factor 1 receptor. It also has a potential role in viral infection, the adaptive immune response and bone marrow cell proliferation. Recombinant human IL34 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

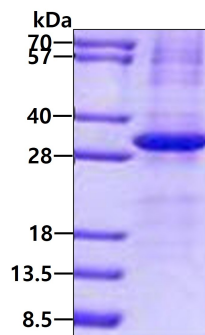
<MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSHM>NE PLEMWPLTQN EECTVTGFLR DKLQYRSRLQ  
YMKHYFPINY KISVPYEGVF RIANVTRLQR AQVSERELRY LWVLVLSLST ESVDVLLEG HPSWKYLQEV QTLLLNVQQG  
LTDVEVSPKV ESVLSLLNAP GPNLKLVRPK ALLDNCFRVM ELLYCSCCKQ SSVLNWQDCE VPSPQSCSPE PSLQYAATQL  
YPPPPWSPSS PPHSTGSVRP VRAQGEGLLP

## General References

Lin H. et al. (2008) Science. 320:807-811.  
Wang Y. et al. (2012) Nat Immunol. 13:753-760.

## DATA

### SDS-PAGE



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