

## Recombinant Human IL34 Protein, His-tagged

Cat. No. IL34-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human IL34 (21-242aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	21-242 a.a.
<b>Description</b>	IL34, also known as interleukin-34 isoform 1, is a secreted cytokine. This protein is expressed in a variety of tissues richest in the spleen and stimulates the proliferation of monocytes. In a functional study, IL-34, such as CSF-1, another ligand for CSF-1R, stimulated phosphorylation of extracellular signal-regulated kinase-1 and -2 (ERK1 / 2) in human monocytes. In addition, it promoted the formation of macrophage precursor colonization units-macrophages (CFU-M) in human bone marrow cultures.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	26.3 kDa
<b>N-terminal Sequence Analysis</b>	Ala
<b>Endotoxin</b>	< 1.0 EU per 1 µg of protein (determined by LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 90% by SDS - PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.25 mg/mL (determined by Absorbance at 280nm)
<b>Storage Buffer</b>	In 20mM Tris-Hcl buffer (pH 8.5) containing 1mM DTT, 0.15M NaCl, 01mM PMSF, 1mM EDTA, 30% glycerol.
<b>Warning</b>	For research use only. This product is not intended or approved for human, diagnostics or veterin
<b>AA Sequence</b>	ADPNEPLEMWPLTQNEECTVTGFLRDKLQYRSRLQYMKHYFPINYKISVPYEGVFRI ANVTRLQRAQVSERELRYLWVLVLSLATESVQDVLLLEGHPWKYLQEVQTLNLLNVQ QGLTDVEVSPKVESVLSLLNAPGPNLKLVRPKALLDNCFRVMELLYCSCCKQSSVLN WQDCEVPSPQSCSPEPSLQYAATQLYPPPPWSPSSPPHSTGSVRPVRAQGEGLLP HHHHHH

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL34 interleukin 34 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">IL34</a>
<b>Synonyms</b>	IL34; interleukin 34; IL-34; C16orf77; interleukin-34
<b>Gene ID</b>	<a href="#">146433</a>
<b>mRNA Refseq</b>	<a href="#">NM_152456</a>

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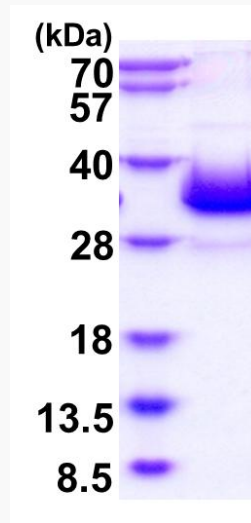
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**Protein Refseq** NP\_689669

**MIM** 612081

**UniProt ID** Q6ZMJ4

**SDS-PAGE**



15% SDS-PAGE (3  $\mu$ g)

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