

## Active Recombinant Human IL34 protein, His-tagged

Cat. No. IL34-28245TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL34 fused with His tag at C-terminal was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	460 amino acid residues
<b>Description</b>	IL-34 is a homodimeric cytokine that is expressed in a range of tissues including spleen, heart, brain, liver, kidney, lung, ovary, thymus, testis, small intestine, prostate and colon. IL-34 is a ligand for colony-stimulating factor-1 receptor (CSF1R), which also binds to CSF-1. It specifically binds CD14+ monocytes, promotes survival and proliferation of human peripheral blood monocytes, and stimulates macrophage colony formation by human bone marrow cells. IL-34, like human CSF-1 stimulates phosphorylation of MAPK1/ERK2 and MAPK3/ERK1.
<b>Bio-activity</b>	Measured by its ability to induce secretion of MCP-1 from PBMCs.
<b>Molecular Mass</b>	52.5 kDa
<b>AA Sequence</b>	NEPLEMWPL TQNEECTVT GFLRDKLQY RSRLQYMKH YFPINYKIS VPYEGVFRI ANVTRLQRA QVSERELRY LWVLVLSA TESVQDVLL EGHPSWKYL QEVETLLL VQQGLT DVE VSPKVESVL SLLNAPGPN LKLV RPKAL LDNCFRVME LLYCSCCKQ SSVLNWQDC EVPSPQSCS PEPSLQYAA TQLYPPPPW SPSSPPHST

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GSVRPVRAQ GEGLLPHHH HHHHH

**Purity** Above 95% as determined by SDS-PAGE Analysis.

## GENE INFORMATION

**Gene Name** IL34 interleukin 34 [ Homo sapiens ]

**Official Symbol** IL34

**Synonyms** IL34; interleukin 34; C16orf77, chromosome 16 open reading frame 77; interleukin-34; IL 34; MGC34647; IL-34; C16orf77;

**Gene ID** 146433

**mRNA Refseq** NM\_001172771

**Protein Refseq** NP\_001166242

**MIM** 612081

**UniProt ID** Q6ZMJ4

**Chromosome Location** 16q22.1

**Function** cytokine activity; growth factor activity; macrophage colony-stimulating factor receptor binding;

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