

Active Recombinant Human IL34 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IL34 fused with His tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	460 amino acid residues
Description	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.
Bio-activity	Measured by its ability to induce secretion of MCP-1 from PBMCs.
Molecular Mass	52.5 kDa
AA Sequence	NEPLEMWPL TQNEECTVT GFLRDKLQY RSRLQYMKH YFPINYKIS VPYEGVFRI ANVTRLQRA QVSERELRY LWVLVSLSA TESVQDVLL EGHPSWKYL QEVETLLLN VQQGLTDVE VSPKVESVL SLLNAPGPN LKLVRPKAL 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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