

## 32-20623: Recombinant Human IL-34(Discontinued)

**Reactivity :** Human  
**Alternative Name :** Interleukin-34, C16orf77

### Description

#### Source:HEK293 cells

IL-34 is a homodimeric cytokine that is expressed in a range of tissues that include 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. Recombinant Human IL-34 is a 52.5 kDa homodimeric glycoprotein consisting of 460 amino acid residues, including a C-terminal His-Tag.

### Product Info

**Amount :** 2 µg / 10 µg  
**Purification :** Purity: >= 95% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** NEPLEMWPLT QNEECTVTGF LRDKLQYRSR LQYMKHYFPI NYKISVPYEG VFRIANVTRL QRAQVSEREL  
RYLWVLVSL S ATESVQDVLL EGHPSWKYLQ EVETLLLNQ QGLTDVEVSP KVESVLSLLN APGPNLKLVR  
PKALLDNCFR VMELLYCSCC KQSSVLNWQD CEVPSQSCS PEPSLQYAAT QLYPPPPWSP SSPPHSTGVS  
RPVRAQGEGL LPHHHHHHHH

### Application Note

Measured by its ability to induce secretion of MCP-1 from PBMCs.