

Human CellExp IL-34, Human recombinant protein
C16orf77
Catalog # PBV10743r**Specification****Human CellExp IL-34, Human recombinant protein - Product info**

Primary Accession [O6ZMJ4](#)
Calculated MW **52.5 kDa** KDa

Human CellExp IL-34, Human recombinant protein - Additional Info

Gene ID **146433**
Gene Symbol **IL34**
Other Names
C16orf77

Gene Source **Human**
Source **HEK293 cells**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Sequence **NEPLEMWPLT QNEECTVTGF LRDKLQYRSR
LQYMKHYFPI NYKISVPYEG VFRIANVTRL
QRAQVSEREL RYLWVLVSLS ATESVQDVLL
EGHPSWKYLQ EVETLLLNQV QGLTDVEVSP
KVESVLSLLN APGPNLKLVR PKALLDNCFR
VMELLYCSCC KQSSVLNWQD CEVPSPQSCS
PEPSLQYAAT QLYPPPPWSP SSPPHSTGSV
RPVRAQGEGL LPHHHHHHHH**

Target/Specificity
IL-34

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format
Lyophilized powder

Storage
-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized from 20 mM Citric Acid, pH 3.0.

Human CellExp IL-34, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp IL-34, Human recombinant protein - Images

Human CellExp IL-34, Human recombinant protein - Background

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. Recombinant human IL-34 is a 52.5 kDa homodimeric glycoprotein consisting of 460 amino acid residues, including a C-terminal His-Tag.

Human CellExp IL-34, Human recombinant protein - References

Lin H.,et al.Science 320:807-811(2008).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Chihara T.,et al.Cell Death Differ. 17:1917-1927(2010).