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Datasheet for ABIN7281356

IL-34 Protein (AA 21-242) (His tag)

Overview

Quantity:	100 µg
Target:	IL-34 (IL34)
Protein Characteristics:	AA 21-242
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-34 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPNEPLEMW PLTQNEECTV TGFLRDKLQY RSRLQYMKHY FPINYKISVP YEGVFRIANV TRLQRAQVSE RELRYLWVLV SLSATESVQD VLLEGHPSWK YLQEVQTL LLL NVQQGLTDVE VSPKVESVLS LLNAPGPNLK LVRPKALLDN CFRVMELLYC SCCKQSSVLN WQDCEVPSPQ SCSPEPSLQY AATQLYPPPP WSPSSPPHST GSVRPVRAQG EGLLPHHHHH H
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	IL-34 (IL34)
Alternative Name:	IL34 (IL34 Products)
Background:	IL34, also known as interleukin-34 isoform 1, is a secreted cytokine. This protein is expressed in

Target Details

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. Recombinant human IL34, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 26.3kDa (231aa) 28-40kDa (SDS-PAGE under reducing conditions)

NCBI Accession: [NP_689669](#)

UniProt: [Q6ZMJ4](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-Hcl buffer (pH 8.5) containing 1 mM DTT,0.15M NaCl, 01 mM PMSF, 1 mM EDTA, 30 % glycerol.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.