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Datasheet for ABIN7199528

IL-34 Protein (His-Avi Tag,Biotin)

Overview

Quantity:	200 µg
Target:	IL-34 (IL34)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-34 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-34 Protein, His,Avitag™
Sequence:	Asn 21 - Pro 242
Characteristics:	Biotinylated Human IL-34, His,Avitag (IL4-H82E5) is expressed from human 293 cells (HEK293). It contains AA Asn 21 - Pro 242 (Accession # Q6ZMJ4-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL-34 (IL34)
Alternative Name:	IL-34 (IL34 Products)
Background:	Synonyms: IL34,C16orf77,IL-34,Interleukin-34,MGC34647, Description: nterleukins (IL) are a group of cytokines that play an important role in the immune system. They modulate inflammation and immunity by regulating growth, mobility and

Target Details

differentiation of lymphoid and other cells. This entry represents interleukin-34 (IL-34), it was identified via functional screening of a library of secreted proteins [1]. This cytokine promotes the differentiation and viability of monocytes and macrophages through the colony-stimulating factor-1 receptor (CSF1R)

Molecular Weight: 29.0 kDa

Pathways: [RTK Signaling](#)

Application Details

Application Notes: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 29.0 kDa. The protein migrates as 33-40 kDa under reducing (R) condition due to glycosylation.

Comment: Ready-to-use Avitag™ biotinylated protein:
The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C