Datasheet for ABIN7199597

IL18R1 Protein (Fc-Avi Tag,Biotin)

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Overview

Quantity:	200 µg
Target:	IL18R1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18R1 protein is labelled with Fc-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-18 R1 / CD218a Protein, Fc,Avitag™ (SPR & MALS verified)
Sequence:	Ala 19 - Arg 329
Characteristics:	Biotinylated Human IL-18 R1, Fc,Avitag is expressed from human 293 cells (HEK293). It contains AA Ala 19 - Arg 329 (Accession # AAH69575.1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	IL18R1
Alternative Name:	IL-18 R1 / CD218a (IL18R1 Products)
Background:	Synonyms: IL18R1,IL1RRP,CD218a,IL18Ra,

Target Details

	Interleukin-18 receptor 1 (IL18R1) is also known as CD218 antigen-like family member A (CD218a), IL1 receptor-related protein (IL-1Rrp or IL1R-rp), CDw218a, IL18Ra, IL1RRP, which belongs to the interleukin-1 receptor family. IL18R1 contains three Ig-like C2-type (immunoglobulin-like) domains and one TIR domain. IL18R1 is receptor for interleukin 18 (IL-18). IL18R1 binds to the agonist leads to the activation of NF-kappa-B, but does not bind IL1A/interleukin-1 alpha or IL1B/interleukin-1 beta.
Molecular Weight:	63.9 kDa

Application Details

Application Notes:	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 63.9 kDa. The protein migrates as 70-90 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