Datasheet for ABIN7273426

IL18RAP Protein (His-Avi Tag,Biotin)

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Overview

Quantity:	200 µg
Target:	IL18RAP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL18RAP protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human IL-18 R beta / IL-1 R7 Protein, His,Avitag™
Sequence:	Phe 20 - Arg 356
Characteristics:	Biotinylated Human IL-18 R beta, His,Avitag (ILB-H82E8) is expressed from human 293 cells (HEK293). It contains AA Phe 20 - Arg 356 (Accession # O95256-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	IL18RAP
Alternative Name:	IL-18 R beta / IL-1 R7 (IL18RAP Products)
Background:	Synonyms:IL-18 R beta,IL-1 R7,CD218b,CDw218b,IL-1 R7,IL-18 R beta,IL-18 receptor accessory protein,IL-18 receptor beta,IL18R beta,IL-18RAcP,Description:IL-18 R beta (IL-1R7), also known as IL18RAP (Interleukin 18 Receptor Accessory Protein), is a member of the IL-1 family. Within

Target Details

	the IL18 receptor complex, does not mediate IL18-binding, but involved in IL18-dependent signal transduction, leading to NF-kappa-B and JNK activation.
Molecular Weight:	42.0 kDa

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 42.0 kDa. The protein migrates as 55-60 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