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Datasheet for ABIN7317987  
**IL18RAP Protein (His tag)**

### Overview

Quantity:	100 µg
Target:	IL18RAP
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL18RAP protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IL18RAP/IL1R7 Protein (His Tag)(Active)
Sequence:	Met 1-Gly 357
Characteristics:	A DNA sequence encoding the human IL18RAP (NP_003844.1) (Met 1-Gly 357) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind biotinylated Cynomolgus IL18 in a functional ELISA.

### Target Details

Target:	IL18RAP
Alternative Name:	IL18RAP/IL1R7 ( <a href="#">IL18RAP Products</a> )

## Target Details

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**Background:** Background: Interleukin 18 receptor accessory protein, also known as IL18RAP and CDw218b (cluster of differentiation w218b), is an accessory subunit of the heterodimeric receptor for IL18. This protein enhances the IL18 binding activity of IL18R1 (IL1RRP), a ligand binding subunit of IL18 receptor. The coexpression of IL18R1 and this protein is required for the activation of NF-kappaB and MAPK8 (JNK) in response to IL18. IL18RAP is required for the high affinity binding of interleukin 18 (IL-18) to its receptor complex. IL18RAP together with IL18R1 mediates IL-18-dependent activation of NF-kappa-B and JNK. Two putative isoforms of IL18RAP were detected and the ratios and total levels of these isoforms may contribute to the aetiology of coeliac disease. IL18R1 and IL18RAP polymorphisms have been found associated with diseases such as schizophrenia, HSV1 seropositivity and atopic asthma. Analysis of IL18R1 and IL18RAP SNPs in 5 European prospective cohorts suggests that the variability of these genes are unlikely to contribute to modulate the risk of CVD in European populations. Synonym: ACPL,CD218b,CDw218b,IL-18R-beta,IL-18RAcP,IL-18Rbeta,IL-1R-7,IL-1R7,IL-1RAcPL,IL18RB

**Molecular Weight:** 40 kDa

**NCBI Accession:** [NP\\_003844](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Please refer to the printed manual for detailed information.

**Buffer:** Lyophilized from sterile PBS, pH 7.4

**Storage:** 4 °C,-20 °C,-80 °C

**Storage Comment:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.