

Recombinant Human Interleukin 18 Receptor Accessory Protein, Fc-His

Cat. No. IL18RAP-2255H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Human Interleukin 18 Receptor Accessory encoding the human IL18RAP (Met 1-Arg 356) was fused with the His-tagged Fc region of human IgG1 at the C- terminus. It is expressed in *Human Cells*.

Species Human

Source Human Cells

ProteinLength 1-356 a.a.

Description Interleukin 18 receptor accessory protein, also known as IL18RAP, IL1R7 and CDw218b, is a single-pass type I membrane protein. It is member of the interleukin-1 receptor family. IL18RAP contains 2 Ig-like C2-type (immunoglobulin-like) domains and 1 TIR domain. IL18RAP is strongly expressed in peripheral blood leukocytes, spleen, lung, and, to a lesser extent, in colon. It is not expressed in any other tissue tested. IL18RAP is also strongly expressed in T-cells polarized with IL12 and specifically coexpressed with IL18R1 in Th1 cells.

Purity >95 % as determined by SDS-PAGE.

Endotoxin < 1.0 EU per 1µg of the protein as determined by the LAL method.

Stability Samples are stable for up to twelve months from date of receipt at -70°C.

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Predicted N Terminal	Phe 20.
Molecular Mass	The recombinant human IL18RAP /Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 575 amino acids and has a calculated molecular mass of 65.2 KDa. As a result of glycosylation, the apparent molecular mass of rhIL18RAP/Fc monomer is approximately 80 -90 KDa in reduced SDS-PAGE.
Formulation	Supplied as a 0.2µm filtered solution of PBS, pH7.4.
Reconstitution	Follow the instructions on the vial. Centrifuge the vial at 4 ⁰ C before opening to recover the entire contents.
Storage	Store it under sterile conditions at -70 ⁰ C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IL18RAP interleukin 18 receptor accessory protein [Homo sapiens]
Synonyms	IL18RAP; interleukin 18 receptor accessory protein; ACPL; CD218b; IL18RB; CDw218b; MGC120589; MGC120590; IL-18 receptor beta; accessory protein-like; AcPL; IL-18RAcP; IL-18Rbeta; IL-1R7; IL-1RAcPL; OTTHUMP00000161337; CD218 antigen-like family member B; CD218b antigen; IL-18 receptor accessory protein; IL-1R accessory protein-like
Gene ID	8807
mRNA Refseq	NM_003853
Protein Refseq	NP_003844

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MIM	604509
UniProt ID	O95256
Chromosome Location	2q12
Pathway	Cytokine-cytokine receptor interaction
Function	transmembrane receptor activity

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