

Recombinant Human Interleukin 18 Receptor Accessory Protein, Fc-tagged

Cat. No. IL18RAP-1658H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	Beta chain of interleukin-18 receptor (IL-18Rbeta) is an accessory protein-like molecule that is required for signaling IL-18 signals through its specific cell surface receptor IL-18R, which comprises two subunits: IL-18Rα and IL-18Rβ. IL-18Rα alone has a weak affinity for IL-18 binding, while the IL-18Rα/β complex has a high affinity. IL-18 Rβ is detected in numerous tissues including lung, spleen, leukocytes and colon.
Molecular Weight	The predicted molecular weight of Recombinant Human IL-18 Rβ is Mr 65.1 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 90-100 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Biological Activity	The biological activity of Human IL-18 Rβ was determined by its ability to inhibit IL-18

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induced response on KG-1 cells, in the presence of soluble IL-18 R α /Fc. The expected ED50 for this effect is typically 2 - 6 μ g/mL in the presence of 30 μ g/mL of soluble IL-18 R α /Fc and 40 ng/mL of human IL-18.

Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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
MIM	604509
UniProt ID	O95256

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Chromosome Location	2q12
Pathway	Cytokine-cytokine receptor interaction
Function	transmembrane receptor activity

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