

Human CellExp™ IL18R1/CD218a Protein, Human recombinant

12/20

CATALOG NO:	P1640-20 20 µg P1640-50 50 µg
ALTERNATE NAMES:	IL-1Rrp; Interleukin 18 receptor 1; CDw218a; IL18RA; CD218 antigen-like family member A; CD218a; IL1R RP
MOL. WT.	80-105 kDa
ACCESSION NO:	NP_006491.2; P43121
PURITY:	≥ 85% by SDS-PAGE
SOURCE:	HEK293 Cells
ENDOTOXIN:	< 1 EU/µg of protein as determined by LAL method.
TAG:	His-Tag
AMINO ACID SEQUENCE:	The target protein is expressed with the sequence (Glu20-Arg329 aa) of IL18R1 was fused to His-tag at the C-terminus.
FORM:	Solid
FORMULATION:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
STORAGE CONDITIONS:	Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

DESCRIPTION: Interleukin-18 receptor 1 (IL18R1) is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is also known as CD218. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IL18R1 is found expressed in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta, and heart, and is absent from brain, skeletal muscle, pancreas, and kidney. High level of expression is found in Hodgkin disease cell lines. IL18R1 contains 3 Ig-like C2-type (immunoglobulin-like) domains and 1 TIR domain. It is a single-pass type I membrane protein. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2 (IL-1Rrp2), and IL1RL1 (T1/ST2), form a gene cluster on chromosome 2q. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. The increased expression of IL18R1 may contribute pathogenically to disease and is therefore a potential therapeutic target.

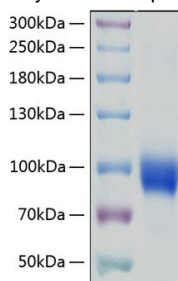


Fig A. IL18R1 protein was loaded on SDS-PAGE under reducing conditions and visualized by Coomassie blue stain.

RELATED PRODUCTS :

Anti-IL18R1 Antibody (Cat No: A1776)
 IL18BP, human recombinant (Cat No: 7324)
 IL-18, human recombinant (Cat No: 4179)

FOR RESEARCH USE ONLY! Not to be used on humans.