

Recombinant Human IL18RAP Protein, His-tagged

Cat. No. IL18RAP-157H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human IL18RAP Protein with His tag was expressed in E. coli.

Species Human

Source E.coli

Description

Interleukin-18 (IL-18) has been identified as a molecule that induces IFN- γ production and enhances NK cell cytotoxicity. IL-18 receptor (IL-18R) is a type I membrane protein present in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta and heart, and absent from brain, skeletal muscle, pancreas and kidney. IL-18R is present in Hodgkin's disease cell lines, and does not bind IL-1 α or IL-1 β . The association of IL-18 to IL-18R leads to activation of NF κ B. At present two subunits of IL-18R have been characterized: IL-18R α and IL-18R β . IL-18R α has been described as the ligand-binding chain and IL-18R β as the signal-transduction chain.

Molecular Mass ~43 kDa

AA Sequence

MFNISGCSTKLLWYSTRSEEEFVLFCDLPEPQKSHFCHRNLSPKQVPEHLPFM
 GSNLSDVQWYQQPSNGDPLEDIRKSYPHIIQDKCTHLFLTPGVNNSGSYICRPKMI
 KSPYDVACCVKMILEVVKPQTNASCEYSASHKQDLLLGGSTGSISCPSSLSCQSDAQSPA
 VTWYKNGKLLSVERSNRIVVDEVYDYHQGTYVCDYTQSDTVSSWTVRAVVQVRTIV
 GDTKLKPDILDPEVDTLEVELGKPLTISCKARFGFERVFNPKWYIKDSDLEWEVSV
 PEAKSIKSTLKDEIIEIERNIILEKVTQRDLRRKFVCFVQNSIGNTTQSVQLKEKR

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| Purity | Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE). |
| Notes | For research use only, not for use in diagnostic procedure. |
| Storage | Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles. |
| Storage Buffer | PBS, 4M Urea, pH7.4 |

GENE INFORMATION

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|------------------------|--|
| Gene Name | IL18RAP interleukin 18 receptor accessory protein [Homo sapiens (human)] |
| Official Symbol | IL18RAP |
| Synonyms | IL18RAP; interleukin 18 receptor accessory protein; interleukin-18 receptor accessory protein; AcPL; CD218b; IL-1R7; IL-1R-7; IL-18RAcP; IL-1RAcPL; IL-18Rbeta; IL-18R-beta; IL-18 receptor beta; interleukin-1 receptor 7; interleukin-18 receptor beta; IL-18 receptor accessory protein; CD218 antigen-like family member B; ACPL; IL18RB; CDw218b; MGC120589; MGC120590; |
| Gene ID | 8807 |
| mRNA Refseq | NM_003853 |
| Protein Refseq | NP_003844 |
| MIM | 604509 |
| UniProt ID | O95256 |

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