

Active Recombinant Mouse Il18rap, His-tagged

Cat. No. Il18rap-514M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | A DNA sequence encoding the mouse IL18RAP (NP_034683.1) (Met1-Glu356) was expressed with a C-terminal polyhistidine tag. |
| Species | Mouse |
| Source | Insect Cells |
| ProteinLength | Met1-Glu356 |
| Form | Lyophilized from sterile PBS, pH7.4. |
| Bio-activity | Measured by its binding ability in a functional ELISA. Immobilized mouse IL18RAP-His at 10 µg/ml (100 µl/well) can bind biotinylated mouse IL18, The EC50 of biotinylated mouse IL18 is 10.6-25.0 µg/ml. |
| Molecular Mass | The recombinant mouse IL18RAP comprises 348 amino acids and has a predicted molecular mass of 40.1 kDa. The apparent molecular mass of the protein is approximately 44 kDa in SDS-PAGE under reducing conditions. |
| Endotoxin | < 1.0 eu per µg of the protein as determined by the LAL method. |
| Purity | >95 % as determined by SDS-PAGE |
| Stability | Samples are stable for up to twelve months from date of receipt at -70°C |

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| Storage | Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | Hardcopy of COA with reconstitution instruction is sent along with the products. |
| GENE INFORMATION | |
| Gene Name | IL18rap interleukin 18 receptor accessory protein [Mus musculus] |
| Official Symbol | IL18rap |
| Synonyms | IL18RAP; interleukin 18 receptor accessory protein; interleukin-18 receptor accessory protein; IL-18RACp; IL-1RACpL; IL-18Rbeta; IL-18R-beta; AcPL accessory protein-like); interleukin-18 receptor beta; IL-18 receptor accessory protein; CD218 antigen-like family member B; |
| Gene ID | 16174 |
| mRNA Refseq | NM_010553 |
| Protein Refseq | NP_034683 |
| Pathway | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| Function | interleukin-1 receptor activity; receptor activity; transmembrane signaling receptor activity; |

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