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# 32-6465: IL18R1 Human

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| **Alternative Name :** | Interleukin 18 Receptor 1, CD218 Antigen-Like Family Member A, IL1 Receptor-Related Protein, IL-18R-1, CDw218a, IL-18R1, IL-1Rrp, IL1R-Rp, IL1RRP, Interleukin-18 Receptor 1, Cytokine Receptor, CD218a Antigen, IL18Ralpha2, CD218a, IL18RA. |

## Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
IL18R1 (interleukin 18 receptor 1) is an interleukin receptor which is part of the immunoglobulin superfamily. IL18R1 comprises 3 Ig-like C2-type domains, on TIR domain IL18R1 shares many immuno-regulatory functions with IL12. IL12 and IFN-alpha are found to induce the expression of IL18 receptor in NK & T cells. Moreover, IL18R1 explicitly binds interleukin 18, and is vital for IL18 mediated signal transduction. IL18R1 does not bind IL1A or IL1B beta, however it does bind to the agonist which causes NF-kappa-B to become active.
IL18R1 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing a total of 550 amino acids (19-329 a.a.) and having a molecular mass of 62.7kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). IL18R1 is expressed with a 239 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90.0% as determined by SDS-PAGE. |
| **Content :** | IL18R1 protein solution (0.5mg/ml) contains 10% glycerol & Phosphate buffered saline (pH7.4). |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | AESCTSRPHI TVVEGEPFYL KHCSCSLAHE IETTTKSWYK SSGSQEHVEL NPRSSSRIAL HDCVLEFWPV ELNDTGSYFF QMKNYTQKWK LNVIRRNKHS CFTERQVTSK IVEVKKFFQI TCENSYYQTL VNSTSLYKNC KKLLLENNKN PTIKKNAEFE DQGYYSCVHF LHHNGKLFNI TKTFNITIVE DRSNIVPVLL GPKLNHVAVE LGKNVRLNCS ALLNEEDVIY WMFGEENGSD PNIHEEKEMR IMTPEGKWHA SKVLRIENIG ESNLNVLYNC TVASTGGTDT KSFILVRKAD MADIPGHVFT RVEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSLSPGKHHHHHH |

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