HUMAN IL18RA PROTEIN, HFC TAG

: 11753

: Human IL18RA Protein

: 10 µg, 50 µg and 100 µg

: CD218a;CDw218a;IL-1Rrp;IL-18R-alpha;IL-18Ralpha;IL1RRP;IL18RA;IL18Ralpha2

Target: IL18RA

UNIPROT ID: Q13478

: Recombinant Human IL18RA Protein with C-terminal human Fc tag

: The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This receptor specifically binds interleukin 18 (IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells. 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. [provided by RefSeq, Sep 2013]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 61.9 kDa after removal of the signal peptide.The apparent molecular mass of IL18RA-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: IL18RA(Ala19-Arg329) hFc(Glu99-Ala330)

:: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

: Store at -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
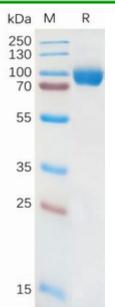
Figure 1. Human IL18RA Protein, hFc Tag on SDS-PAGE under reducing condition.