HUMAN IL2RB PROTEIN, HIS TAG

Cat.#: 11197

Product Name: Human IL2RB Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: IL2RB;P5-1170K4.6;D122;70-75

Target: IL2RB

UNIPROT ID: P14784

Description: Recombinant human IL2RB protein with C-terminal 6xHis tag

Background: The interleukin 2 receptor, which is involved in T cell-mediated immune responses, is present in 3 forms with respect to ability to bind interleukin 2. The low affinity form is a monomer of the alpha subunit and is not involved in signal transduction. The intermediate affinity form consists of an alpha/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. The protein encoded by this gene represents the beta subunit and is a type I membrane protein. The use of alternative promoters results in multiple transcript variants encoding the same protein. The protein is primarily expressed in the hematopoietic system. The use by some variants of an alternate promoter in an upstream long terminal repeat (LTR) results in placenta-specific expression.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 25.4 kDa after removal of the signal peptide.

Molecular Characterization: IL2RB(Ala27-Asp239) 6×His tag

Purity: 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.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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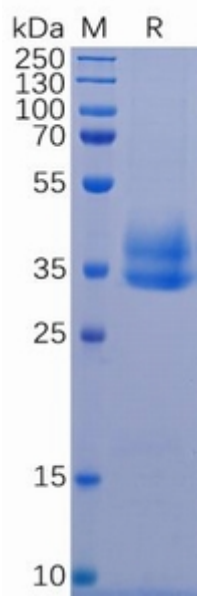

Figure 1. Human IL2RB Protein, His Tag on SDS-PAGE under reducing condition.

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