

Recombinant Human IL-2RB/CD122 Protein (Fc Tag)

Catalog Number: PKSH032572

Note: Centrifuge before opening to ensure complete recovery of vial contents.

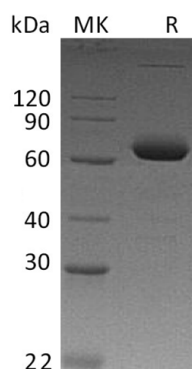
Description

Species	Human
Source	HEK293 Cells-derived Human IL-2RB;CD122 protein Ala27-Asp239, with an C-terminal Fc
Calculated MW	51.7 kDa
Observed MW	60-80 kDa
Accession	P14784
Bio-activity	Loaded Biotinylated Human IL-2-His-Avi on SA Biosensor, can bind Human IL-2RB-Fc with an affinity constant of 12.62nM as determined in BLI assay.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human IL-2RB; also known as interleukin-2 receptor subunit beta; is the receptor for interleukin-2. IL2 receptor complex is involved in receptor mediated endocytosis and transduces the mitogenic signals of IL2. IL2 receptor complex has three forms with respect to ability to bind IL2. IL-2RB is belonged to a type I membrane protein; and has a 26 residue signal peptide; a 214 residue extracellular region; a 25 residue transmembrane region and a 286 residue cytoplasmic domain. IL-2RB is the subunit critical for receptor-mediated signaling via physically or functionally coupling to other signaling molecules; such as the Jak-STAT and Src-family protein tyrosine kinase although it lacks apparent catalytic motifs.

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