

CD122/IL2RB Protein, Human, Recombinant (aa 27-239, His & Avi), Biotinylated

General Information

Synonyms:	IL-2R subunit beta;High affinity IL-2 receptor subunit β ;Interleukin-2 receptor subunit β ;High affinity IL-2 receptor subunit beta;Interleukin-2 receptor subunit beta;IL-2 receptor subunit β ; IL2RB;CD122;IL-2R subunit β ;IL-2 receptor subunit beta
Protein Construction:	Ala27-Asp239
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P14784
Molecular Weight:	35-45 KDa (reducing condition)
AA Sequence:	Ala27-Asp239

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:
Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481