

Active Recombinant Human IL2RB protein, His&Twin-Strep-tagged

Cat. No. IL2RB-785H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2RB protein(Ala 27 - Asp 239 (IL-2RB) & Glu 22 - Ser 212 (IL-2RA) & Leu 23 - Asn 254 (IL-2RG)), fused with His and Twin-Strep tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-239;22-212;23-254 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human IL-2, Tag Free at 5 µg/mL (100 µL/well) can bind Human IL-2RB&IL-2RA&IL-2RG, His Tag&Twin Strep Tag with a linear range of 0.01-0.313 µg/mL.
Molecular Mass	Molecular Characterization Human IL-2RB&IL-2RA&IL-2RG, His Tag&Twin Strep Tag is produced by co-expression of IL-2RB and IL-2RA and IL-2RG, has a calculated MW of 29.9 kDa (IL-2RB) & 55.8 kDa (IL-2RA&IL-2RG). Subunit IL-2RB is fused with a his tag at the C-terminus and subunit IL-2RA&IL-2RG is fused with a Twin-Strep Tag at the C-terminus. The reducing (R) protein migrates as 37 kDa, 42 kDa and 90 kDa respectively due to glycosylation.

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Proteinlength	Ala27-Asp239(IL-2RB)&Glu22-Ser212(IL-2RA)&Leu23-Asn254(IL-2RG)
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL2RB interleukin 2 receptor, beta [Homo sapiens]
Official Symbol	IL2RB
Synonyms	IL2RB; interleukin 2 receptor, beta; IL15RB, interleukin 15 receptor, beta; interleukin-2 receptor subunit beta; CD122; p75; IL-2RB; CD122 antigen; IL-2R subunit beta; IL-2 receptor subunit beta; interleukin 15 receptor, beta; high affinity IL-2 receptor beta subunit; high affinity IL-2 receptor subunit beta; IL15RB; P70-75;
Gene ID	3560
mRNA Refseq	NM_000878
Protein Refseq	NP_000869

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MIM	146710
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UniProt ID	P14784
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