

# Active Recombinant Rat IL2RB protein, His&Twin-Strep-tagged

Cat. No. IL2RB-951R Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Rat IL2RB protein(Ala 27 - Glu 239 (IL-2RB) & Glu 22 - Gln 235 (IL-2RA) & Ser 25 - Ala 262 (IL-2RG)), fused with His and Twin-Strep tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	27-239;22-235;25-262 a.a.
<b>Form</b>	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Biotinylated Human IL-2, Fc,Avitag at 1 μg/mL (100 μL/well) on streptavidin precoated (0.5 μg/well) plate can bind Rat IL-2RB&IL-2RA&IL-2RG, His Tag&Twin-Strep Tag with a linear range of 39-156 ng/mL.
<b>Molecular Mass</b>	Molecular CharacterizationRat 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 30.2 kDa (IL-2RB) and 59.3 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 45 kDa and 110 kDa respectively due to glycosylation.
<b>Proteinlength</b>	Ala27-Glu239(IL-2RB)&Glu22-Gln235(IL-2RA)&Ser25-Ala262(IL-2RG)

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<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by reduced SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	Il2rb interleukin 2 receptor, beta [ <a href="#">Rattus norvegicus</a> ]
<b>Official Symbol</b>	<a href="#">IL2RB</a>
<b>Synonyms</b>	IL2RB; interleukin 2 receptor, beta; interleukin-2 receptor subunit beta; IL-2RB; P70-75; IL-2R subunit beta; IL-2 receptor subunit beta; interleukin 2 receptor, beta chain; high affinity IL-2 receptor subunit beta; IL2RBC;
<b>Gene ID</b>	<a href="#">25746</a>
<b>mRNA Refseq</b>	<a href="#">NM_013195</a>
<b>Protein Refseq</b>	<a href="#">NP_037327</a>

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