

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

Cat. No. IL2RB-9511R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL2RB protein(Ala 27 - Glu 239 (IL-2RB) & Ser 25 - Ala 262 (IL-2RG)), fused with His and Twin-Strep tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Ala 27 - Glu 239 (IL-2RB) & Ser 25 - Ala 262 (IL-2RG)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Loaded Biotinylated Human IL-2, Fc,Avitag on SA Biosensor, can bind Rat IL-2RB&IL-2RG Heterodimer Protein, His Tag&Twin-Strep Tag with an affinity constant of 3.50 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	Molecular CharacterizationRat IL-2RB&IL-2RG Heterodimer Protein, His Tag&Twin-Strep Tag is produced by co-expression of IL-2RB and IL-2RG, has a calculated MW of 30.2 kDa (IL-2RB) and 34.7 kDa (IL-2RG). Subunit IL-2RB is fused with a polyhistidine tag at the C-terminus and subunit IL-2RG is fused with Twin-Strep tag at the C-terminus. The reducing (R) protein migrates as 40-50 kDa and 55-65 kDa respectively due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 \[Rattus norvegicus \]](#)

Official Symbol [IL2RB](#)

Synonyms 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;

Gene ID [25746](#)

mRNA Refseq [NM_013195](#)

Protein Refseq [NP_037327](#)

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