

Datasheet for ABIN7596393

IL2 Receptor beta Protein (AA 27-240) (His tag)



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Overview

Quantity:	250 µg
Target:	IL2 Receptor beta (IL2RB)
Protein Characteristics:	AA 27-240
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2 Receptor beta protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	AVNGTSQFTC FYNSRANISC VWSQD GALQD TSCQVHAWPD RRRWNQTCEL LPVSQASWAC NLILGAPDSQ KLTTVDIVTL RVLCREGVRW RVMAIQDFKP FENLR LMAPI SLQVVHVETH RCNISWEISQ ASHYFERHLE FEARTLSPGH TWEEAPLLTL KQKQEWICLE TLTPDTQYEF QVRVKPLQGE FTTWSPWSQP LAFRTKPAAL GKDT
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	IL2 Receptor beta (IL2RB)
Alternative Name:	IL-2R beta/IL2RB (IL2RB Products)
Background:	IL2RB, also known as interleukin 2 receptor subunit beta, is a member of the cytokine receptor

Target Details

superfamily. This protein, which is involved in T cell-mediated immune responses, is present in three forms with respect to ability to bind interleukin 2. It denoted IL2RA, IL2RB, and the common cytokine receptor gamma chain, which is shared by the receptors for IL-2, IL-4, IL-7, IL-9, and IL-15. The low affinity form is a monomer of the alpha subunit (also called CD25) and is not involved in signal transduction. The intermediate affinity form consists of a gamma/beta subunit heterodimer, while the high affinity form consists of an alpha/beta/gamma subunit heterotrimer. Both the intermediate and high affinity forms of the receptor are involved in receptor-mediated endocytosis and transduction of mitogenic signals from interleukin 2. Recombinant human IL2RB, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 25.5 kDa (220aa)

NCBI Accession: [NP_000869](#)

Pathways: [JAK-STAT Signaling, Growth Factor Binding](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.