

Datasheet for ABIN7448117 **IL2RG Protein (Biotin,His-Avi Tag)**

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Overview

Quantity:	200 µg
Target:	IL2RG
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2RG protein is labelled with Biotin,His-Avi Tag.

Product Details

Purpose:	Biotinylated Mouse IL-2 R gamma Protein, His,Avitag™ (MALS verified)
Sequence:	Trp 23 - Ala 263
Characteristics:	Biotinylated Mouse IL-2 R gamma Protein, His,Avitag is expressed from human 293 cells (HEK293). It contains AA Trp 23 - Ala 263 (Accession # P34902-1).
Purity:	90,00 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	IL2RG
Alternative Name:	IL-2 R gamma (IL2RG Products)
Background:	Synonyms:IL2RG,CD132,CIDX,IMD4,P64,SCIDX,SCIDX1,gammaC,Description:IL-2R is a

Target Details

heterotrimeric protein binds and responds to the cytokine IL-2. Three distinct chains of IL-2R, termed as α , β and γ , which are non-covalently associated are identified. The α and β chains are involved in binding IL-2, while signal transduction following cytokine interaction is carried out by the γ chain, along with the β subunit. The α chain of the IL-2R can bind to the β chain before receptor interaction with IL-2. The γ chain alone has a very weak affinity for IL-2, but after the ligand is bound to the α/β heterodimer, the γ chain becomes recruited to the complex to form a very stable macromolecular quaternary ligand/receptor complex. Interleukin-2 receptor subunit gamma (IL2RG), also known as cytokine receptor common subunit gamma, CD antigen CD132, gammaC, p64, which belongs to the type I cytokine receptor family or type 5 subfamily. IL2RG is located on the surface of immature blood-forming cells in bone marrow. Defects in IL2RG are the cause of severe combined immunodeficiency X-linked T-cell-negative/B-cell-positive/NK-cell-negative (XSCID).

Molecular Weight: 31.8 kDa

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

Application Details

Comment: This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 31.8 kDa. The protein migrates as 40-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C