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Datasheet for ABIN7520182 IL2RG Protein (Fc Tag,His tag)



Overview	
Quantity:	10 µg
Target:	IL2RG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2RG protein is labelled with Fc Tag,His tag.
Product Details	
Purpose:	Recombinant Human IL-2RG/CD132 Protein
Sequence:	LNTTILTPNG NEDTTADFFL TTMPTDSLSV STLPLPEVQC FVFNVEYMNC TWNSSSEPQP TNLTLHYWYK NSDNDKVQKC SHYLFSEEIT SGCQLQKKEI HLYQTFVVQL QDPREPRRQA TQMLKLQNLV IPWAPENLTL HKLSESQLEL NWNNRFLNHC LEHLVQYRTD WDHSWTEQSV DYRHKFSLPS VDGQKRYTFR VRSRFNPLCG SAQHWSEWSH PIHWGSNTSK EN
Specificity:	Leu23-Asn254
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/ μ g of the protein by LAL method.
Target Details	
Target:	IL2RG
Alternative Name:	IL-2RG/CD132 (IL2RG Products)

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Target Details

Background:	Description: The gamma chain of the high affinity functional human IL-2 receptor complex
	belongs to the hematopoietin receptor family. The common gamma chain (yc) (or CD132), also
	known as interleukin-2 receptor subunit gamma or IL2RG, is a member of the type I cytokine
	receptor family expressed on most lymphocyte (white blood cell) populations, and its gene is
	found on the X-chromosome of mammals. IL2RG is a 369 amino acid residue protein
	consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue
	transmembrane domain and an 86 residue cytoplasmic domain. IL2RG is a cytokine receptor
	sub-unit that is common to the receptor complexes for at least six different interleukin
	receptors: IL-2, IL-4, IL-7, IL-9, IL-15 and interleukin-21 receptor. It has been proposed that IL2RG
	be designated the common gamma chain (gamma c). The site of molecular defects in X-linked
	SCID (severe combined immunodeficiency) has now been mapped to the IL-2 R gamma gene.
	Name: IL2RG,CD132,CIDX,IL-2RG,IMD4,P64,SCIDX,SCIDX1
Gene ID:	3561
UniProt:	P31785
Pathways:	JAK-STAT Signaling, Growth Factor Binding

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

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