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Datasheet for ABIN6253694 IL7R Protein (AA 21-236) (Fc Tag)

3 Images



Overview

Quantity:	100 µg
Target:	IL7R
Protein Characteristics:	AA 21-236
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL7R protein is labelled with Fc Tag.

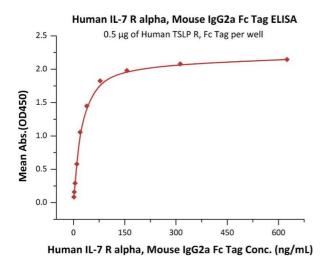
Product Details

Sequence:	AA 21-236
Characteristics:	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW
	of 52 kDa. The protein migrates as 65-115 kDa under reducing (R) condition (SDS-PAGE) due to
	glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μ g by the LAL method.
Target Details	
Target:	IL7R
Alternative Name:	IL-7 R alpha (IL7R Products)

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Target Details	
Background:	Interleukin-7 receptor subunit alpha (IL7Ra) is also known as CD antigen CD127, which belongs to the type I cytokine receptor family and type 4 subfamily. IL7Ra /CD127 contains 1 fibronectin type-III domain. IL7Ra /CD127 is expressed on various cell types, including naive and memory T cells and many others. IL7Ra /CD127 is receptor for interleukin-7 and also acts as a receptor for thymic stromal lymphopoietin (TSLP). The IL7 receptor is a heterodimer of IL7R and IL2RG. The TSLP receptor is a heterodimer of CRLF2 and IL7R.
Molecular Weight:	52.0 kDa
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Regulation of Cell Size
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

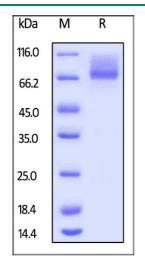
Images



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Image 1. Biotinylated Human TSLP (R127A, R130A), His,Avitag (ABIN6923165,ABIN6938832) immobilized at 2 μ g/mL (100 μ L/well) via precoated 5 μ g/mL (100 μ L/well) of Human TSLP R, Fc Tag (ABIN5954970,ABIN6253631), can bind can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag (ABIN5674632,ABIN6253694) with a linear range of 1-20 ng/mL (Routinely tested).

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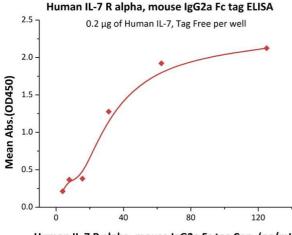


SDS-PAGE

Image 2. Human IL-7 R alpha, Mouse IgG2a Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.

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Image 3. Immobilized Human IL-7, Tag Free (ABIN2181324,ABIN2693600,ABIN3071740) at 2 μg/mL (100 μL/well) can bind Human IL-7 R alpha, Mouse IgG2a Fc Tag (ABIN5674632,ABIN6253694) with a linear range of 4-31 ng/mL (QC tested).



Human IL-7 R alpha, mouse IgG2a Fc tag Con. (ng/mL)

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