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IL21 Receptor Protein (His tag)





Overview

Background:

Quantity:	50 μg
Target:	IL21 Receptor (IL21R)
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Mouse IL-21R Protein (His Tag)
Sequence:	Cys20-Pro236
Characteristics:	Recombinant Mouse Interleukin-21 Receptor is produced by our Mammalian expression system and the target gene encoding Cys20-Pro236 is expressed with a 6His tag at the Cterminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	
Target:	IL21 Receptor (IL21R)
Alternative Name:	IL-21R (IL21R Products)

Background: Interleukin-21 receptor (IL-21R) is a type I transmembrane glycoprotein within the

class I cytokine receptor family, type 4 subfamily. IL-21R is expressed mainly on B cells, NK

cells, and activated T cells, but is also found on dendritic cells, alternatively activated macrophages, intestinal lamina propria fibroblasts and epithelial cells, and keratinocytes. Both IL-21 and IL-4 are necessary for efficient B cell IgG1 production and normal germinal center architecture. B cell IL-21 R engagement induces Blimp-1(which mediates plasma cell differentiation), and is important for memory responses. IL-21R engagement on mouse NK cells enhances their cytotoxic activity and IFN-γ production. IL-21R engagement on CD8+ T cells aids control of viral infection and tumor growth? IL-21R is also necessary for sufficient numbers of regulatory T cells to combat chronic inflammation. IL-21R expression is often upregulated in allergic skin inflammation, systemic lupus erythematosus and diffuse large B cell lymphoma (DLBCL).

Synonym: Interleukin-21 receptor, IL-21 receptor, IL-21R, Il21r, Nilr

Molecular Weight: 25.7 kDa

UniProt: Q9JHX3

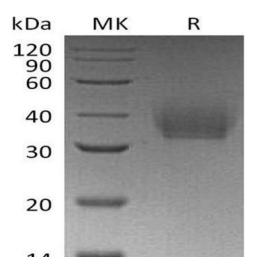
Pathways: JAK-STAT Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.