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Datasheet for ABIN1880682

IL21 Receptor Protein (AA 20-236) (His tag)

Overview

Quantity:	50 µg
Target:	IL21 Receptor (IL21R)
Protein Characteristics:	AA 20-236
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL-21 Receptor/IL-21R (C-6His)
Sequence:	CPDLVCYTDY LQTVICILEM WNLHPSTLTL TWQDQYEELK DEATSCSLHR SAHNATHATY TCHMDVFHFM ADDIFSVNIT DQSGNYSQEC GSFLLAESIK PAPPFNVTVT FSGQYNISWR SDYEDPAFYM LKGKLQYELQ YRNRGDPWAV SPRRKLISVD SRSVSLLPLE FRKDSSYELQ VRAGPMPGSS YQGTWSEWSD PVIFQTQSEE LKEGWNPVDH HHHHH
Characteristics:	Recombinant Human Interleukin-21 receptor/IL-21R is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Cys20-Pro236) of Human IL-21R fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	IL21 Receptor (IL21R)
Alternative Name:	Interleukin-21 Receptor/IL-21R (IL21R Products)
Sub Type:	Fusionprotein
Background:	<p>Interleukin-21 receptor is also known as IL-21 receptor, IL-21R, CD360. In humans, it is encoded by the IL21R gene. It belongs to the type I cytokine receptor family. Type 4 subfamily contains 2 fibronectin type-III domains. Interleukin-21 receptor is selectively expressed in lymphoid tissues and highly expressed in thymus and spleen. IL-21 is produced by CD4+ T cells in response to antigenic stimulation. Its action enhances antigen-specific responses of immune cells. The biological effects of IL-21 include induction of differentiation of T-cells-stimulated B-cells into plasma cells and memory B-cells. It also promotes the anti-tumor activity of CD8+ T-cells and NK cells.</p> <p>Alternative Names: Interleukin-21 receptor is also known as IL-21 receptor, IL-21R, CD360.</p>
Molecular Weight:	26 kDa
UniProt:	Q9HBE5
Pathways:	JAK-STAT Signaling

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months