

Datasheet for ABIN7092744

IL21 Receptor Protein (AA 20-232) (mFc Tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	IL21 Receptor (IL21R)
Protein Characteristics:	AA 20-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL21 Receptor protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human IL21R with C-terminal mouse Fc tag
Specificity:	IL21R (Cys20-Glu232) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL21 Receptor (IL21R)
Alternative Name:	IL21R (IL21R Products)
Background:	The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to

Target Details

the type I cytokine receptors, and has been shown to form a heterodimeric receptor complex with the common gamma-chain, a receptor subunit also shared by the receptors for interleukin 2, 4, 7, 9, and 15. This receptor transduces the growth promoting signal of IL21, and is important for the proliferation and differentiation of T cells, B cells, and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules, including JAK1, JAK3, STAT1, and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described.

Molecular Weight: predicted molecular mass of 50.7 kDa after removal of the signal peptide. The apparent molecular mass of IL21R-mFc is 55-70 kDa due to glycosylation.

UniProt: [Q9HBE5](#)

Pathways: [JAK-STAT Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

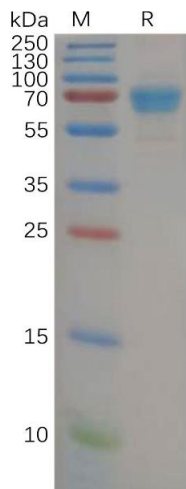
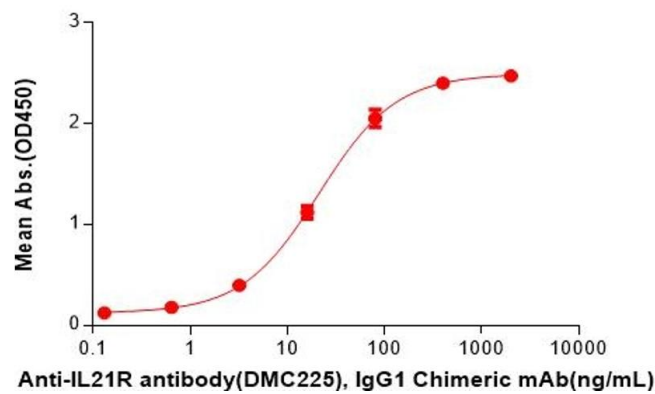
Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Human IL21R,mFc Tagged protein ELISA
0.2 µg of Human IL21R, mFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL21R Protein, mFc Tag (ABIN7092744, ABIN7272296 and ABIN7272297) can bind Anti-IL21R antibody, IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.

SDS-PAGE

Image 2. Human IL21R Protein, mFc Tag on SDS-PAGE under reducing condition