

Datasheet for ABIN7092688

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

Overview

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|-------------------------------|---|
| 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 Fc Tag. |

Product Details

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| Purpose: | Recombinant human IL21R protein with C-terminal human Fc tag |
| Specificity: | IL21R (Cys20-Glu232) hFc (Glu99-Ala330) |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Purified from cell culture supernatant by affinity chromatography |
| Purity: | The purity of the protein is greater than 90 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

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| 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.

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| Molecular Weight: | predicted molecular mass of 50.7 kDa after removal of the signal peptide. The apparent molecular mass of IL21R-hFc is 55-100 kDa due to glycosylation. |
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| Gene ID: | 50615 |
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| UniProt: | Q9HBE5 |
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| Pathways: | JAK-STAT Signaling |
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Application Details

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| Restrictions: | For Research Use only |
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Handling

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|---------|-------------|
| Format: | Lyophilized |
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| Buffer: | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization. |
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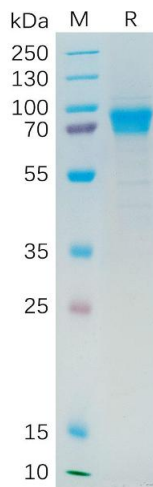
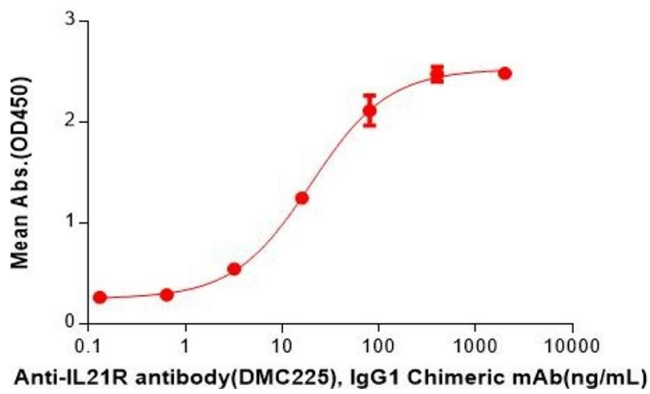
| | |
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| Storage: | -20 °C, -80 °C |
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| Storage Comment: | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
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| Expiry Date: | 12 months |
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Human IL21R,hFc Tagged protein ELISA

0.2 µg of Human IL21R, hFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL21R Protein, hFc Tag (ABIN7092688, ABIN7272228 and ABIN7272229) 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, hFc Tag on SDS-PAGE under reducing condition.