

Datasheet for ABIN7092702

**IL-6 Receptor Protein (AA 20-365) (Fc Tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	IL-6 Receptor (IL6R)
Protein Characteristics:	AA 20-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-6 Receptor protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Human IL6R with C-terminal human Fc tag
Specificity:	IL6R (Leu20-Pro365) 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 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IL-6 Receptor (IL6R)
Alternative Name:	IL6R ( <a href="#">IL6R Products</a> )
Background:	This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent

## Target Details

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pleiotropic cytokine that regulates cell growth and differentiation and plays an important role in the immune response. The IL6 receptor is a protein complex consisting of this protein and interleukin 6 signal transducer (IL6ST/GP130/IL6-beta), a receptor subunit also shared by many other cytokines. Dysregulated production of IL6 and this receptor are implicated in the pathogenesis of many diseases, such as multiple myeloma, autoimmune diseases and prostate cancer. Alternatively spliced transcript variants encoding distinct isoforms have been reported. A pseudogene of this gene is found on chromosome 9.

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Molecular Weight: predicted molecular mass of 64.7 kDa after removal of the signal peptide. The apparent molecular mass of IL6R-hFc is 70-100 kDa due to glycosylation.

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Gene ID: 3569

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UniProt: [P08887](#)

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Pathways: [JAK-STAT Signaling](#), [Autophagy](#), [Growth Factor Binding](#), [Cancer Immune Checkpoints](#)

## Application Details

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Restrictions: For Research Use only

## 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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Storage: -20 °C, -80 °C

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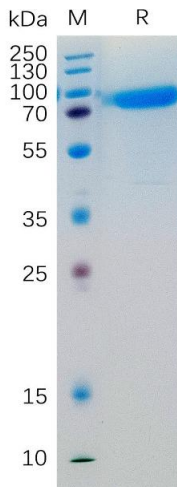
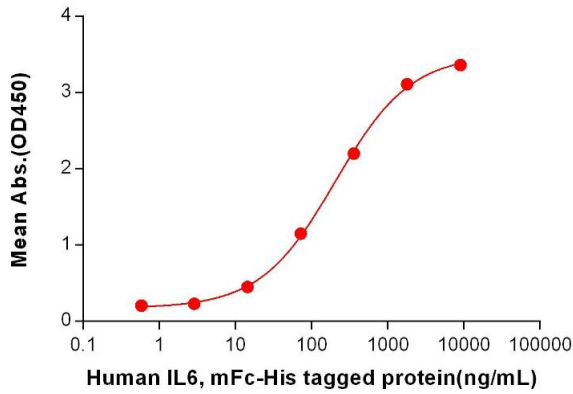
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

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Expiry Date: 12 months

### Human IL6R, hFc tagged protein ELISA

0.1 µg of Human IL16R, hFc tagged protein per well



### ELISA

**Image 1.** ELISA plate pre-coated by 1 µg/mL (100 µL/well) Human IL6R, hFc tagged protein (ABIN7092702, ABIN7272204 and ABIN7272205) can bind Human IL6, mFc-His tagged protein ABIN6961105, ABIN7042239 and ABIN7042240 in a linear range of 14.4-360 ng/mL.

### SDS-PAGE

**Image 2.** Human IL6R Protein, hFc Tag on SDS-PAGE under reducing condition.