

Datasheet for ABIN6964085

**IL-6 Receptor Protein (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL-6 Receptor (IL6R)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-6 Receptor protein is labelled with His tag.
Application:	ELISA

## Product Details

Purpose:	Recombinant Human IL6R Protein with C-terminal 6xHis tag
Specificity:	IL6R (Leu20-Pro365) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
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:	Synonymes: CD126, gp80, IL-6R-1, IL-6RA, IL6Q, IL6RA, IL6RQ

## Target Details

Description: This gene encodes a subunit of the interleukin 6 (IL6) receptor complex. Interleukin 6 is a potent 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.

Molecular Weight: predicted molecular mass of 39.4 kDa after removal of the signal peptide. The apparent molecular mass of IL6R-His is 55-70 kDa due to glycosylation.

Gene ID: 3570

UniProt: [P08887](#)

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

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

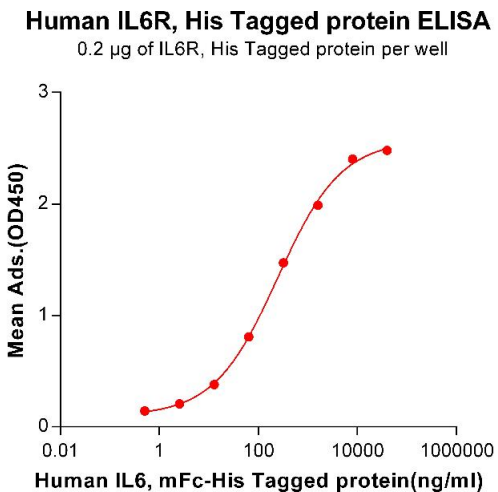
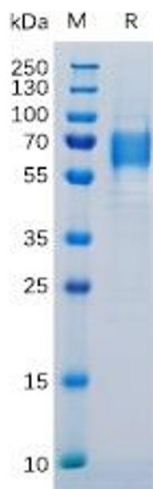
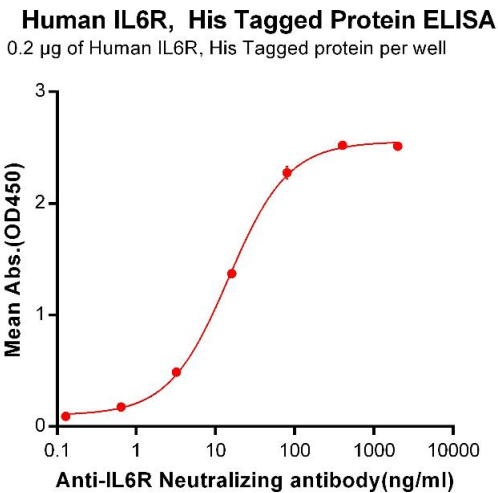
Reconstitution: Reconstitute with deionized water

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

Preservative: Without preservative

Storage: -20 °C, -80 °C

Expiry Date: 12 months



**ELISA**

**Image 1.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL6R, His tagged protein (ABIN6964085) can bind Anti-IL6R Neutralizing antibody in a linear range of 0.64-80 ng/mL.

**SDS-PAGE**

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

**ELISA**

**Image 3.** ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL6R, His tagged protein (ABIN6964085) can bind Human IL6, mFc-His tagged protein (ABIN6961105) in a linear range of 0.512-40000 ng/mL.