

Datasheet for ABIN7275036

IL6RA Protein (AA 20-365) (His-Avi Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL6RA
Protein Characteristics:	AA 20-365
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL6RA protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human IL-6 R alpha/CD126 Protein
Sequence:	Leu20-Pro365
Characteristics:	Recombinant Human IL-6 R alpha/CD126 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Leu20-Pro365.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-6, No Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human IL-6 R alpha, His Tag with the EC50 of 0.25µg/ml determined by ELISA. The affinity constant of 0.22 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

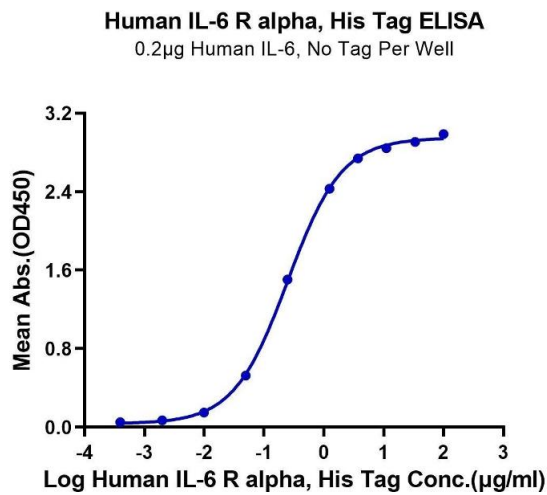
Target:	IL6RA
Alternative Name:	IL-6R alpha (IL6RA Products)
Background:	The multifunctional factor interleukin 6 (IL-6) exerts its activities through binding to a high-affinity receptor complex consisting of two membrane glycoproteins: an 80 kDa component receptor that binds IL-6 with low affinity (IL-6R alpha) and a signal-transducing component of 130 kDa (gp130) that does not bind IL-6 by itself, but is required for high-affinity binding of IL-6 by the complex. Both components of the receptor complex, IL-6R alpha and gp130 have been cloned, sequenced, and expressed.
Molecular Weight:	41.4 kDa. Due to glycosylation, the protein migrates to 65-78 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling , Autophagy , Growth Factor Binding , Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only
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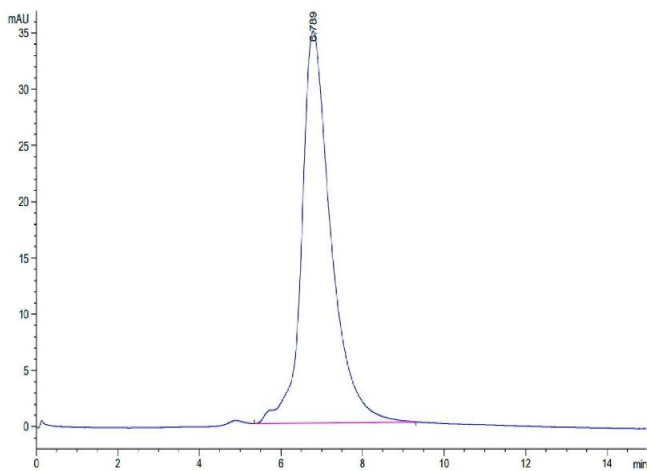
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



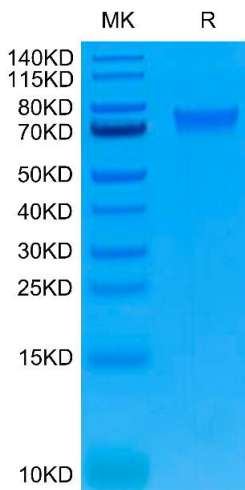
ELISA

Image 1. Immobilized Human IL-6, No Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-6 R alpha, His Tag with the EC50 of 0.25 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-6 R alpha is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Human IL-6 R alpha on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275036.