

Datasheet for ABIN7274862

IGF1R Protein (AA 31-932) (His-Avi Tag)

5 Images

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Overview

Quantity:	100 µg
Target:	IGF1R
Protein Characteristics:	AA 31-932
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IGF1R protein is labelled with His-Avi Tag.

Product Details

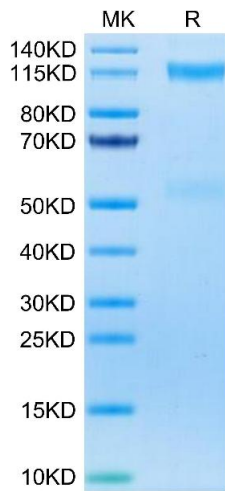
Purpose:	Human IGF1R/CD221 Protein
Sequence:	Glu31-Asn932
Characteristics:	Recombinant Human IGF1R/CD221 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu31-Asn932.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IGF1R, His Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-IGF1R Antibody, hFc Tag with the EC50 of 54.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Background:	The type 1 IGF receptor (IGF1R) is a transmembrane tyrosine kinase that is frequently overexpressed by tumours, and mediates proliferation and apoptosis protection. IGF signalling also influences hypoxia signalling, protease secretion, tumour cell motility and adhesion, and thus can affect the propensity for invasion and metastasis. Therefore, the IGF1R is now an attractive anti-cancer treatment target.
Molecular Weight:	105.8 kDa (alpha subunit) and 23 kDa (beta subunit). Due to glycosylation, the protein migrates to 110-120 kDa(alpha subunit) and 52-55 kDa(beta subunit) based on Tris-Bis PAGE result.
UniProt:	P08069
Pathways:	RTK Signaling , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Autophagy

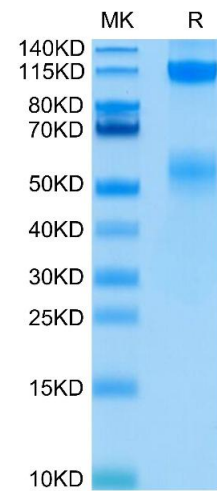
Application Details

Restrictions:	For Research Use only
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



SDS-PAGE

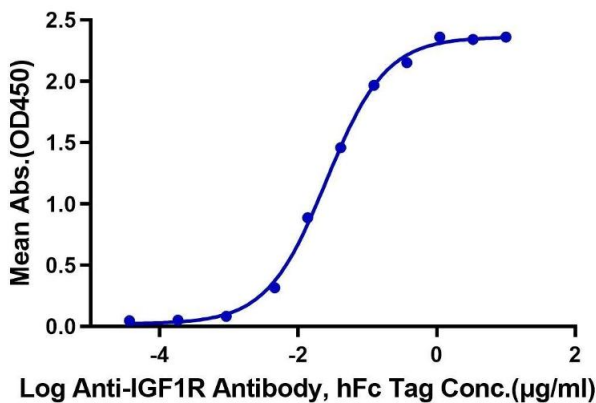
Image 1. Human IGF1R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



SDS-PAGE

Image 2. Human IGF1R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Human IGF1R, His Tag ELISA
0.02µg Human IGF1R, His Tag Per Well



ELISA

Image 3. Immobilized Human IGF1R, His Tag at 0.2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-IGF1R Antibody, hFc Tag with the EC50 of 25.6 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274862.