Datasheet for ABIN7275246

c-MET Protein (AA 25-930) (His tag)

Go to Product page

3 Images

Overview

Quantity:	100 µg
Target:	c-MET (MET)
Protein Characteristics:	AA 25-930
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This c-MET protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus HGF R/c-MET Protein
Sequence:	Glu25-Asn930
Characteristics:	Recombinant Cynomolgus HGF R/c-MET Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Glu25-Asn930.
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 Cynomolgus HGF R, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-HGF R Antibody, hFc Tag with the EC50 of 27.8ng/ml determined by ELISA. See testing image for detail.

Target Details

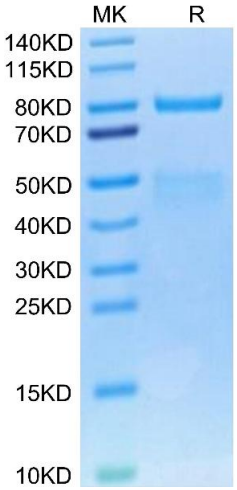
Target:	c-MET (MET)
Alternative Name:	HGF R (MET Products)
Background:	C-Met, also called tyrosine-protein kinase Met or hepatocyte growth factor receptor (HGFR), is a protein that in humans is encoded by the MET gene.The protein possesses tyrosine kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Following activation by ligand, interacts with the PI3-kinase subunit PIK3R1, PLCG1, SRC, GRB2, STAT3 or the adapter GAB1.
Molecular Weight:	32.5 kDa (α chain) and 69.9 kDa (β chain). Due to glycosylation, the protein migrates to 45-52 kDa (α chain) and 75-82 kDa (β chain) based on Tris-Bis PAGE result.
UniProt:	A0A2K5UM36
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Synaptic Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Restrictions:	For Research Use only

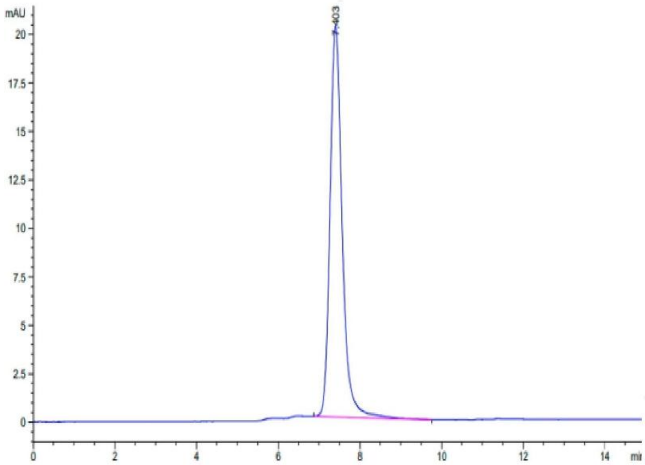
Handling

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 7.2). 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



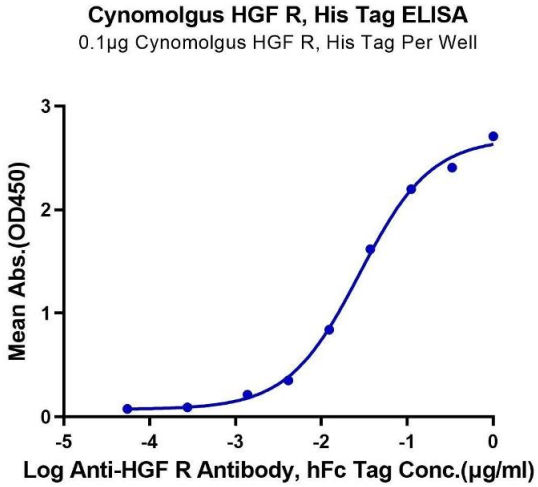
SDS-PAGE

Image 1. Cynomolgus HGF R on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus HGF R is greater than 95 % as determined by SEC-HPLC.



ELISA

Image 3. Immobilized Cynomolgus HGF R, His Tag at 1 µ g/mL (100 µL/well) on the plate. Dose response curve for Anti-HGF R Antibody, hFc Tag with the EC50 of 27.8 ng/mL determined by ELISA.

