

Human HGF R/c-MET Protein

Cat. No. MET-HM105



Description

Source	Recombinant Human HGF R/c-MET Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu25-Leu515.
Accession	P08581-1
Molecular Weight	The protein has a predicted MW of 57.34 kDa. Due to the furin-like convertase cleavage site and glycosylation, the protein migrates to 28-35 kDa and 42-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

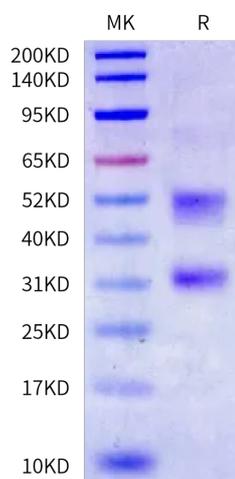
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

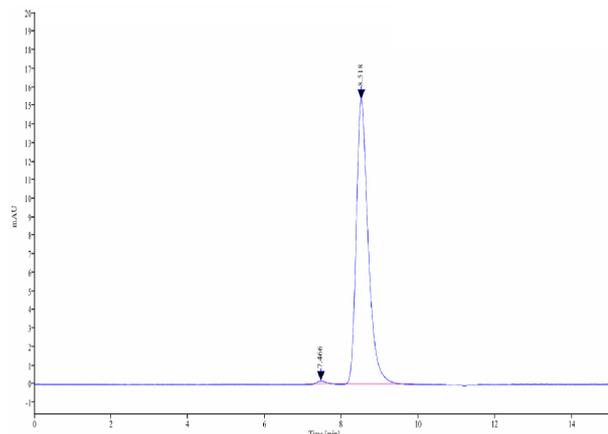
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



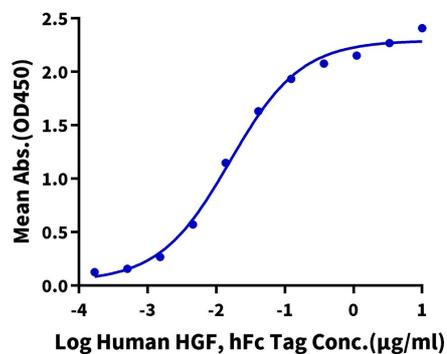
The purity of Human HGF R is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human HGF R, His Tag ELISA

0.2µg Human HGF R, His Tag Per Well



Immobilized Human HGF R, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human HGF, hFc Tag (Cat. HGF-HM201) with the EC50 of 15.9ng/ml determined by ELISA.