

Mouse HGF R/c-MET Protein

Cat. No. MET-MM101

Description

Source	Recombinant Mouse HGF R/c-MET Protein is expressed from HEK293 with His tag at the C-terminus. It contains Glu25-Ala931.
Accession	P16056
Molecular Weight	The mature form of HGF R is a heterodimer which can be cleaved into α and β chain. The protein has a predicted MW of 32.1 kDa (α chain) and 69.8 kDa (β chain). Due to glycosylation, the protein migrates to 40-50 kDa (α subunit) and 78-98 kDa (β subunit) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

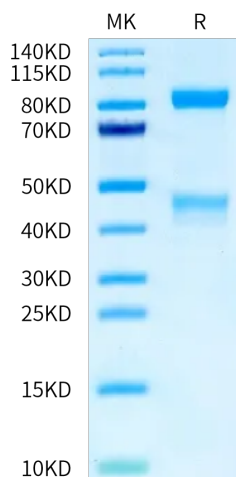
Formulation	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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

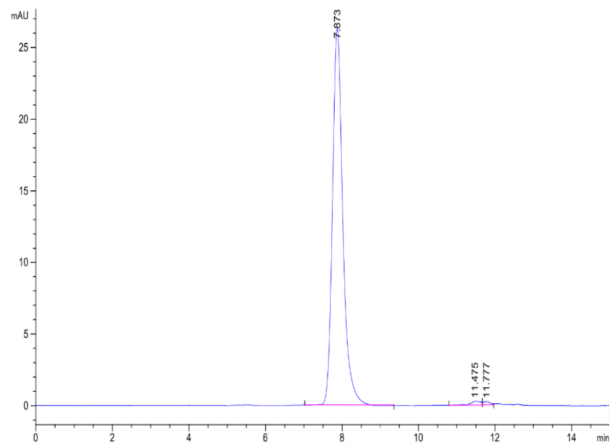
Tris-Bis PAGE



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

SEC-HPLC

Assay Data



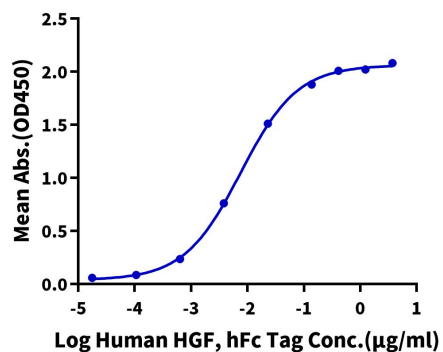
The purity of Mouse HGF R is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse HGF R, His Tag ELISA

0.1µg Mouse HGF R, His Tag Per Well



Immobilized Mouse HGF R, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human HGF, hFc Tag with the EC50 of 7.6ng/ml determined by ELISA.