

HGFR/c-Met Protein, Human, Recombinant (His) V2

General Information

Synonyms:	Tyrosine-protein kinase Met;HGF receptor;Proto-oncogene c-Met;HGF/SF receptor;SF receptor;Hepatocyte growth factor receptor;MET
Protein Construction:	Glu25-Thr932
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P08581-1
Molecular Weight:	32.5 kDa (a chain) and 72.1 kDa (β chain) (Predicted); 45-60 kDa (a subunit) and 80-100 kDa (β subunit) (Reducing conditions due to glycosylation)

QC Testing

Biological Activity:	Immobilized Human HGF R, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Human HGF, hFc Tag with the EC50 of 10.1 ng/ml determined by ELISA. (QC Test) Immobilized Human HGF R, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-HGF R Antibody, hFc Tag with the EC50 of 15.6 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:
Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

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.

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