Human c-Met/HGFR (His Tag) recombinant protein

Catalog Number: 504042

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of human c-Met (NP_000236) (Met 1-Thr 932) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human HGF at 10 μg/ml (100 μl/well) can bind biotinylated c-Met. The EC_{50} of biotinylated c-Met is 5.28 μg/ml.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Glu 25

Molecular Mass

The mature form of recombinant human c-Met is a disulfide-linked heterodimer composed of proteolytically cleaved ? and ? subunits. Each ? and ? subunit together consists of 919 amino acids and has a predicted molecular mass of 103 (?=33 +?=70) kDa. As a result of glycosylation, rh c-MET heterodimer thus migrates with apparent molecular mass of approximately 45 kDa and 85 kDa respectively in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

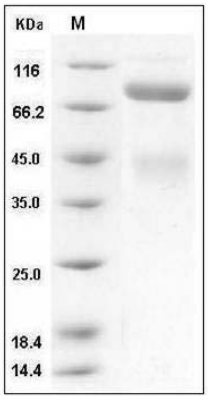
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human c-MET / HGFR Protein (His Tag) SDS-PAGE