

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



Catalog Number: 503751

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Thr 932) of human c-Met (NP_000236) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 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 1 $\mu\text{g/ml}$ (100ul/well) can bind Human c-MET / HGFR with a linear range of 0.31-160ng/ml. Scatchard analysis showed the affinity constant (Kd) of human HGF bound to human c-MET / HGFR was 0.52 nM.

Purity

> 95 % 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°C

Predicted N terminal

Glu 25

Molecular Mass

The mature recombinant human c-Met/Fc is a disulfide-linked tetramer composed of two proteolytically cleaved α and β subunits. Each α and β together with the C-terminal Fc tag consists of 1155 amino acids and has a predicted molecular mass of 129.5 (α = 32.5 + Fc tagged β = 97) kDa. The rh c-MET/Fc heterodimer thus migrates with apparent molecular mass of approximately 57.8 kDa and 130 kDa respectively in SDS-PAGE under reducing conditions due to glycosylation.

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

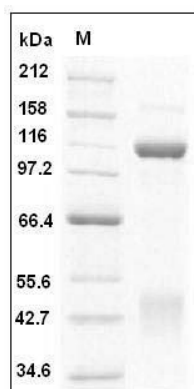
Storage

Store it under sterile conditions at -20°C to -80°C . 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



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SDS-PAGE