HUMAN MET PROTEIN, HFC TAG

Cat.#: 12019

Product Name: Human MET Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: DA11;HGFR;AUTS9;RCCP2;c-Met;DFNB97

Target: MET

UNIPROT ID: P08581

Description: Recombinant human MET Protein with C-terminal human Fc tag

Background: This gene encodes a member of the receptor tyrosine kinase family of proteins and the product of the proto-oncogene MET. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that are linked via disulfide bonds to form the mature receptor. Further processing of the beta subunit results in the formation of the M10 peptide, which has been shown to reduce lung fibrosis. Binding of its ligand, hepatocyte growth factor, induces dimerization and activation of the receptor, which plays a role in cellular survival, embryogenesis, and cellular migration and invasion. Mutations in this gene are associated with papillary renal cell carcinoma, hepatocellular carcinoma, and various head and neck cancers. Amplification and overexpression of this gene are also associated with multiple human cancers. [provided by RefSeq, May 2016]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 127.8 kDa after removal of the signal peptide. The apparent molecular mass of MET-hFc is approximately 100-250 kDa due to glycosylation.

Molecular Characterization: MET(Glu25-Thr932) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

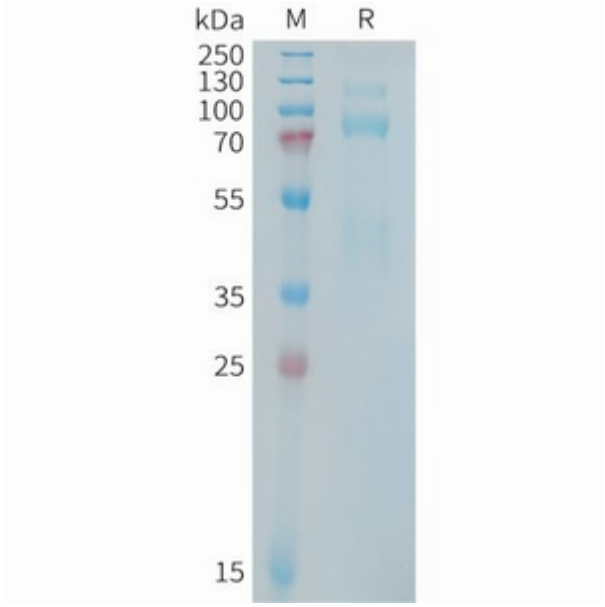

Figure 1. Human MET Protein, hFc Tag on SDS-PAGE under reducing condition.