



Recombinant Protein Technical Manual

Recombinant Mouse c-MET/HGFR Protein (His Tag)(Active)
RPES0748

Product Data:

Product SKU: RPES0748

Size: 100µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_032617.2

Protein Information:

Molecular Mass: 102 kDa

AP Molecular Mass: 43 kDa & 85-95 kDa

Tag: C-His

Bio-activity: Measured by its ability to compete with mouse C-MET for binding to immobilized human HGF in a functional ELISA assay.

Purity: > 90 % as determined by SDS-PAGE

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

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: AI838057;c-Met;HGF;HGFR;Par4

Immunogen Information:

Sequence: Met 1-Asn 929

Background:

Hepatocyte growth factor receptor (HGFR), also known as c-Met or mesenchymal-epithelial transition factor (MET), is a receptor tyrosine kinase (RTK) that has been shown to be overexpressed and/or mutated in a variety of malignancies. HGFR protein is produced as a single-chain precursor, and HGF is the only known ligand. Normal HGF/HGFR signaling is essential for embryonic development, tissue repair or wound healing, whereas aberrantly active HGFR has been strongly implicated in tumorigenesis, particularly in the development of invasive and metastatic phenotypes. HGFR protein is a multifaceted regulator of growth, motility, and invasion, and is normally expressed by cells of epithelial origin. Preclinical studies suggest that targeting aberrant HGFR signaling could be an attractive therapy in cancer.