

Recombinant Mouse c-MET/HGFR Protein (Fc Tag)(Fc Tag)



Catalog Number: PKSM040581

Note: Centrifuge before opening to ensure complete recovery of vial contents.

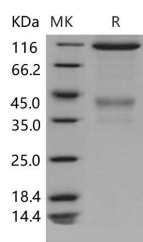
Description

Synonyms	AI838057;c-Met;HGF;HGFR;Par4
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Asn 929
Accession	NP_032617.2
Calculated Molecular Weight	32&96 kDa
Observed molecular weight	43&115-120 kDa
Tag	C-hFc
Bioactivity	Immobilized human HGF at 2 µg/ml (100 µl/well) can bind mouse HGFR with a linear ranger of 1. 28-32ng/ml.

Properties

Purity	> 92 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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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

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studies suggest that targeting aberrant HGFR signaling could be an attractive therapy in cancer.

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