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Product datasheet for TP728046

MET Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human HGF R (C-6His-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu25-Thr932
Tag:	C-6His-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Biotinylated Recombinant Human Hepatocyte Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Glu25-Thr932 is expressed with a 6His, Avi tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	4233
UniProt ID:	P08581
Summary:	Hepatocyte growth factor receptor (HGF R) is a glycosylated receptor tyrosine kinase that plays a central role in epithelial morphogenesis and cancer development. HGF R is synthesized as a single chain precursor which undergoes cotranslational proteolytic cleavage. Mature HGF R is a disulfide-linked dimer composed of a 50 kDa extracellular Î± chain and a 145 kDa transmembrane Î² chain. Proteolysis and alternate splicing generate additional forms of human HGF R which either lack of the kinase domain, consist of secreted extracellular domains, or are deficient in proteolytic separation of the Î± and Î² chains. The sema domain, which is formed by both Î± and Î² chains of HGF R, mediates both ligand binding and receptor dimerization. HGF stimulation induces HGF R downregulation via internalization and proteasomedependent degradation. Paracrine induction of epithelial cell scattering and branching tubulogenesis results from the stimulation of HGF R on undifferentiated epithelium by HGF released from neighboring mesenchymal cells.

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