

Product datasheet for **TP727700**

MET Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Hepatocyte Growth Factor Receptor/HGF R/cMet (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu25-Thr932
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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 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 $\hat{1}\pm$ chain and a 145 kDa transmembrane $\hat{1}^2$ 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 $\hat{1}\pm$ and $\hat{1}^2$ chains. The sema domain, which is formed by both $\hat{1}\pm$ and $\hat{1}^2$ 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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