HGF R/c-Met/HGFR, Human, Recombinant

Cat. No.： GPCK028

产品信息

物种	Human
表达宿主	Human Cells
序列信息	Glu25-Thr932
检索号	P08581
标签	C-6His
分子量	102.5 kDa
有效期	12 months
生物活性	Immobilized Recombinant Human HGF-6His at 10 μg/mL (100 μL/well) can bind Human HGF R-His*. Biotinylated by NHS-biotin prior to testing The ED50 of Recombinant HGF R-His* is 9.47 μg/mL.

产品特性

内毒素（EU/μg）	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
复溶	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

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 α chain and a 145 kDa transmembrane β 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 α and β chains. The sema domain, which is formed by both α and β 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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