

## 32-8822: Recombinant Human Hepatocyte Growth Factor Receptor/HGF R/cMet(C-6His)

**Gene :** MET  
**Gene ID :** 4233  
**Uniprot ID :** P08581

### Description

Source: E. coli.  
MW :56.9kD.

Recombinant Human Hepatocyte Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Glu25-Gly519 is expressed with a 6His tag at the C-terminus. 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  $\alpha$  chain and a 145 kDa transmembrane  $\beta$  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  $\alpha$  and  $\beta$  chains. The sema domain, which is formed by both  $\alpha$  and  $\beta$  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.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** ECKEALAKSEMNVNMKYQLPNFTAETPIQNVILHEHHIFLGATNYIYVLNEEDLQKVAEYKTPVLEHPDCFCPCQDCSSKANLSGGVWWDNINMALVVDTYDDQLISCGSVNRGTCQRHVFPNHHTADIQSEVHCIFSPQIEEPSQCPCVVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHLHSISVRRKTKDGFMLTDQSYIDVLPEFRDSYPIKYVHAFESNNFIYFLTVQRETLDAQTFHTRIIRFCSINSGLHSEMPLECILTEKRKRSTKKEVFNILQAAYVSKPGAQLARQIGASLNDDILFGVFAQSKPDSAEPMDRSAMCAFPKIYVNDFFNKIVNKNVRCQLQHFYGPNEHCFNRTLLRNSSGCEARRDEYRTEFTTALQRVDLFGQFSEVLLTSISTFIKGDLTIANLGTSEGRFMQVVVSRSGPSTPHVNFLLDHPVSPEVIVEHTLNQNGYTLVITGKKITKIPLNGLGHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.