

Recombinant Human HGF R

Catalog No: CS56

Description	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.
Source	Human Cells
Alternative name	Hepatocyte growth factor receptor; HGF receptor; HGF/SF receptor; Proto-oncogene c-Met; Scatter factor receptor; SF receptor; Tyrosine-protein kinase Met; MET
Accession No.	P08581
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	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 Sequence	<p> ECKEALAKSEMNVNMKYQLPNFTAETPIQNVILHEHHIFLGATNYIYVLNEEDLQKVAEYKTGPVLEHPD CFPCQDCSSKANLSGGVWVDNINMALVVDYYDDQLISCGSVNRGTCQRHVFPNHHTADIQSEVHCIF SPQIEEPSQCPDCVVSALGAKVLSSVKDRFINFFVGNTINSSYFPDHLHSISVRRLLKETKDGFMFLTDQ SYIDVLPFRDSYPIKYVHAFESNNFIYFLTVQRETLDQTFHTRIIRFCSINSLHSYMEMPLECILTEKR KKRSTKKEVFNLQAAYVSKPGAQLARQIGASLNDLILFGVFAQSKPDSEPMDRSAMCAFPKYVNDFF NKIVNKNVRCQLQHFYGPNEHCNRTLLRNSSGCEARRDEYRTEFTTALQRVDLFMGQFSEVLLTSIS TFIKGLTIANLGTSEGRFMQVVSRSGPSTPHVNFLLDSHPVSPEVIVEHTLNQNGYTLVITGKKITKIPL NGLGCRHFQSCSQCLSAPPFVQCGWCHDKCVRSEECLSGTWTQICLPAIYKVPNSAPLEGGTRLTI CGWDFGFRRNNKFDLKKTRVLLGNESCTLTLESTMTNLKCTVGPAMNKHFNMSIIISNGHGTTQYSTF SYVDPVITSISPKYGPMAGGTLLTLTGNLYLNSGNSRHSIGGKTCTLKSVSNSILECYTPAQTISTEFAVKL KIDLANRETSIFSREDPIVEIHPKTSFISGGSTITGVGKNLNSVSPRMVINVHEAGRNFTVACQHRNS SEIICCTTPSLQQLNLQLPLKTKAFFMLDGILSKYFDLIYVHNPVFKPFKPMISMGNENVLEIKGNDIDP EAVKGEVLKVGKNKSCENIHLHSEAVLCTVPNDLLKLNSLNIWQKQAISSSTVLGKVVQPDQNFTHHHHH H </p>
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Background	<p>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..</p>
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