



# Recombinant Cat Hepatocyte growth factor (HGF)

<b>Product Code</b>	CSB-EP858379CA-B
<b>Abbreviation</b>	HGF
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9BH09
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Felis catus (Cat) (Felis silvestris catus)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	Q KKRRNTLHEF KSAKTTLIK EDPLLIKTK KMNTADQCAN RCIRNKGLPF TCKAFVFDKA RKRCLWFPFN SMTSGVKKEF GHEFDLYENK DYIRNCIIGK GGSYKGTVSI TKSGIKCQPW NSMIPHEHSF LPSSYRGKDL QENYCRNPRG EEGGPWCFTS NPEVRYEVCD IPQCSEVECM TCNGESYRGP MDHTESGKIC QRWDRQTPHR HKFLPERYPD KGFDDNYCRN PDGKPRPWCY TLDPDPWEY CAIKMCAHST MNDTDVPMET TECIQGGQEG YRGTINSIWN GVPCQRWDSQ YPHQHDITPE NFKCKDLREN FCRNPDGAES PWCFTTDPNI RVGYCSQIPK CDVSSGQDCY RGNGKNYMGN LSKTRSG LTC SMWEKNMEDL HRHIFWEPDA SKLNKNYCRN PDDDAHGPWC YTGNPLIPWD YCPISRCEGD TTPTIVNLDH PVISCAKTKQ LR
<b>Source</b>	E.coli
<b>Target Names</b>	HGF
<b>Protein Names</b>	Recommended name: Hepatocyte growth factor Alternative name(s): Hepatopoietin-A Scatter factor Short name= SF Cleaved into the following 2 chains: 1. Hepatocyte growth factor alpha chain 2. Hepatocyte growth factor beta chain
<b>Expression Region</b>	30-492
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto- oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorogenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide



bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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