



Recombinant Dog Hepatocyte growth factor (HGF)

Product Code	CSB-MP769701DO
Abbreviation	HGF
Storage	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.
Uniprot No.	Q867B7
Product Type	Recombinant Protein
Immunogen Species	Canis lupus familiaris (Dog) (Canis familiaris)
Purity	>85% (SDS-PAGE)
Sequence	QKKRRNTLH EFKKSAKTTL IKEDPLLKIK TKKMNTADQC ANRCIRNKGL PFTCKAFVFD KARKRCLWFP FNSMTSGVKK EFGHEFDLYE NKDYIRNCII GKGGSYKGTV SITKSGIKCQ PWNSMIPHEH SFLPSSYRGK DLQENYCRNP RGEEGGPWCF TSNPEVRYEV CDIPQCSEVE CMTCNGESYR GPMDHTEGK ICQRWDHQTP HRHKFLPERY PDKGFDDNYC RNPDGKPRPW CYTLDPDTPW EYCAIKMCAH STMNDTDVPM ETTECIQQQG EGYRGTINTI WNGVPCQRWD SQYPHQHDIT PENFKCKDLR ENYCRNPDGA ESPWCFTTDP NIRVGYSQI PKCDVSSGQD CYRGNKNYM GNLSKTRSGL TCSMWEKNME DLHRHIFWEP DASKLNKNYC RNPDDDAHGP WCYTGNPLIP WDYCPIFRCE GDTTPTIVNL DHPVISCAKT KQLR
Source	Mammalian cell
Target Names	HGF
Protein Names	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
Expression Region	32-494
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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, tumorigenesis, 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.

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.

Shelf Life

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