

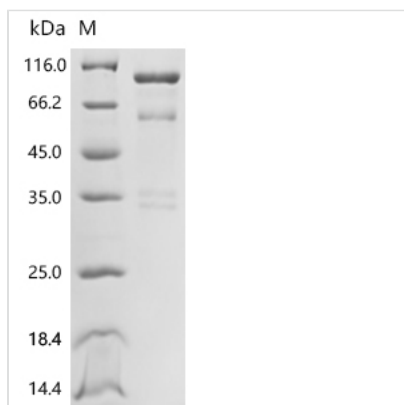


Recombinant Bovine Hepatocyte growth factor (HGF) (Active)

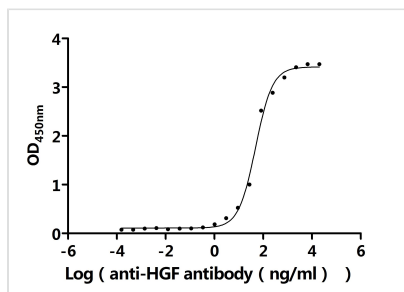
Product Code	CSB-MP758831BO1
Abbreviation	Recombinant Bovine HGF protein (Active)
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q76BS1
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Biological Activity	<p>① Measured by its binding ability in a functional ELISA. Immobilized Bovine HGF at 2 µg/mL can bind Anti-HGF recombinant antibody (CSB-RA010327MA1HU). The EC50 is 38.88-61.07 ng/mL.</p> <p>② Measured by its binding ability in a functional ELISA. Immobilized Bovine HGF at 2 µg/mL can bind Human MET (CSB-MP012376MO1d9). The EC50 is 2.471-2.843 ng/mL.</p> <p>③ HGF Recombinant Monoclonal Antibody (CSB-RA010327MA1HU) captured on Protein A Chip can bind Bovine HGF with an affinity constant of 1.73 nM as detected by MetaSPR Assay (WeSPRTM 200).</p> <p>④ Recombinant Human MET (CSB-MP012376MO1d9) captured on Protein A Chip can bind Recombinant Bovine HGF with an affinity constant of 0.643 nM as detected by MetaSPR Assay (WeSPRTM 200).</p>
Purity	≥ 95% as determined by SDS-PAGE.
Sequence	<p>QKKRRNTLHEFKRSAKTTLIKEDPLLKIKTKKMNTADQCANRCIRNKGLPFTCK AFVFDKARKRCLWFPFNSMSSGVKKEFGHEFDLYENKDYIRNCIIGKGGSYKG TVSITKSGIKCQPWNSMIPHEHSFLPSSYRGKDLQENYCRNPRGEEGGPWCF TSNPEVRYEVCDIPQCSEVECMTCSNGESYRGPM DHTETGKICQRWDHQTPH RHKFLPERYPDKGFDDNYCRNPDGKPRPWCYTLDPDTPWEYCAIKMCAHST MNDTDLPMQTTECIQQGQEGYRGTINTIWNIGIPCQRWDSQYPHQHDITPENF KCKDLRENYCRNPDGAESPWCFTTDPNIRVGYCSQIPKCDVSSGQDCYRGN GKNYMGSLSKTRSGLTCSMWDKNMEDLHRHIFWEPDATKLNKNYCRNPDDD AHGPWCYTGNPLIPWDYCPISRCEGDTTPTIVNLDHPVISC AKTKQLRVVNGIP TRTNVGMVMVSLKYRNKHICGGLIKESWILTARQC FPSRNKDLKDYEAWLGIH DVHGRGDEKRKQVLNVTQLVYGPEGS DLVLLKLARPAILDDFVSTIDLPNYGC TIPEKTTCSVYGWGYTGLINS DGLLRVAHLYIMGNEKCSQYHQGKVTLNES EIC AGAENIVSGPCEGDYGGPLVCEQH KMRMVLGVIVPGRGCAIPNRPGIFVRVAY YAKWIHKIILTYKAPQL</p>



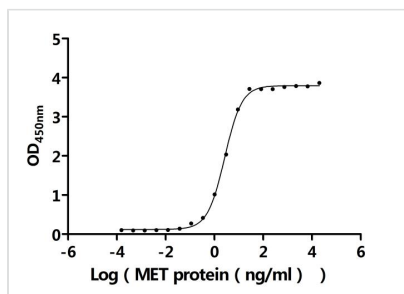
Source	Mammalian cell
Target Names	HGF
Expression Region	32-730aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 10xHis-tagged
Mol. Weight	81.2 kDa
Protein Length	Full Length of Mature Protein

Image


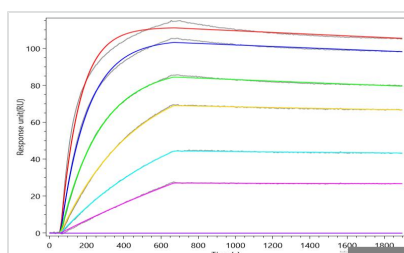
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



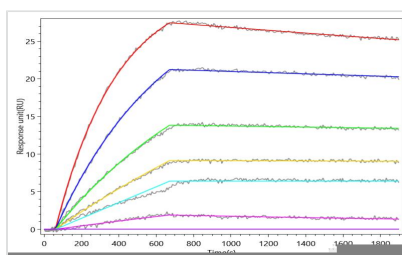
Activity
Measured by its binding ability in a functional ELISA. Immobilized Bovine HGF at 2 µg/ml can bind Anti-HGF recombinant antibody (CSB-RA010327MA1HU). The EC₅₀ is 38.88-61.07 ng/mL.



Activity
Measured by its binding ability in a functional ELISA. Immobilized Bovine HGF at 2 µg/ml can bind Human MET (CSB-MP012376MO1d9). The EC₅₀ is 2.471-2.843 ng/mL.



Activity
HGF Recombinant Monoclonal Antibody (CSB-RA010327MA1HU) captured on Protein A Chip can bind Bovine HGF with an affinity constant of 1.73 nM as detected by MetaSPR Assay (WeSPRTM 200).



Activity
 Recombinant Human MET (CSB-MP012376MO1d9) captured on Protein A Chip can bind Recombinant Bovine HGF with an affinity constant of 0.643 nM as detected by MetaSPR Assay (WeSPR™ 200).

Endotoxin

Less than 1.0 EU/ug as determined by LAL method.

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

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.