

Hepatocyte growth factor/HGF Recombinant Protein | HGF recombinant protein

Recombinant Rat Hepatocyte growth factor/HGF Protein

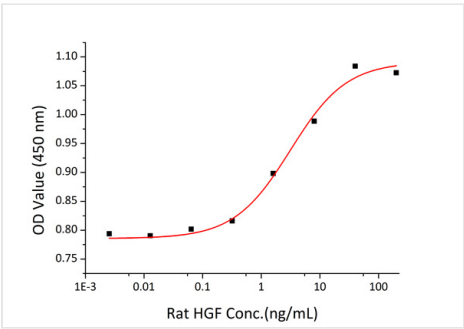
CATALOG # AAA283365	HOST HEK293 cells
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PRODUCT SYNONYMS

Hepatocyte growth factor/HGF; Recombinant Rat Hepatocyte growth factor/HGF Protein; HPTA; Hepatocyte growth factor; HGF; HGF recombinant protein

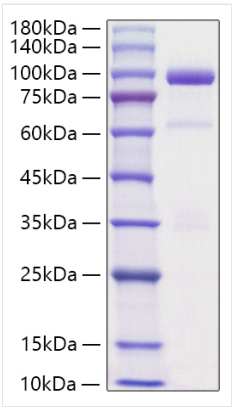
PRODUCT SPECIFICATIONS

Host	HEK293 cells
Purity/Purification	>92% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH7.4.
Sequence	QKKRRNTLHE FKKSAKTTLT KEDPLVKIKT KKVNSADECA NRCIRNKGFP FTCKAFVFDK SRKRCYWYPF NSMSSGVKKG FGHEFDLYEN KDYIRNCIIG KGGSYKGTVS ITKSGIKCQP WNSMIPHEHS FLPSSYRGKD LQENYCRNPR GEEGGPWCFT SNPEVRYEVC DIPQCSEVEC MTCNGESYRG PMDHTESGKT CQRWDQQTPH RHKFLPERYP DKGFDNYCR NPDGKPRPWC YTLDPDTPWE YCAIKMCAHS AVNETDVPME TTECIKGQGE GYRGTTNTIW NGIPCQRWDS QYPHKHDITP ENFKCKDLRE NYCRNPDGAE SPWCFTTDPN IRVGYSQIP KCDVSSGQDC YRGNGKNYMG NLSKTRSGLT CSMWDKNMED LHRHIFWEPD ASKLTKNYCR NPDDDAHGPW CYTGNPLVPW DYCPISRCEG DTTPTIVNLD HPVISCATK QLRVVNGIPT QTTVGWMVSL KYRNKHICGG SLIKESWVLT ARQCFPARNK DLKDYEAWLG IHDVHERGEE KRKQILNISQ LVYGPEGSDL VLLKLARPAI LDNFVSTIDL PSYGCTIPEK TTCSIYGWGY TGLINADGLL RVAHLYIMGN EKCSQHHQ GK VTLNESELCA GAEKIGSGPC EGDYGGPLIC EQHKMRMVLG VIVPGRGCAI PNRPGIFVRV AYYAKWIIHKV ILTYKL
Species	Rat
Tag	C-His
Endotoxin	<0.001EU/ug
Bio-Activity	Measured in a cell proliferation assay using Mv.1.lu cells. The ED ₅₀ for this effect is 1.6-6.2ng/mL, corresponding to a specific activity of 1.6×10 ⁵ ~6.3×10 ⁵ units/mg.
Preparation and Storage	Store at -20 degree C. Store the lyophilized protein at -20 degree C to -80 degree C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week.



Application Data

Recombinant Rat HGF stimulates cell proliferation of the Mv.1.lu cells. The ED₅₀ for this effect is 1.6-6.2 ng/mL, corresponding to a specific activity of 1.6×10⁵–6.3×10⁵ units/mg.



SDS-PAGE

Recombinant Rat Hepatocyte growth factor/HGF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 80-100 kDa.

ADDITIONAL INFORMATION

Related Product Information for HGF recombinant protein	Hepatocyte growth factor/scatter factor (HGF/SF) is a paracrine cellular growth, motility and morphogenic factor. It belongs to the peptidase S1 family and Plasminogen subfamily, contains 4 kringle domains, 1 PAN domain and 1 peptidase S1 domain. HGF regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. HGF 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.
Product Categories/Family for HGF recombinant protein	Cytokines & Cytokine receptors; Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	123117
NCBI GeneID	24446
UniProt Accession #	P17945
UniProt Protein Name	Hepatocyte growth factor
UniProt Gene Name	Hgf
UniProt Synonym Gene Names	SF
UniProt Entry Name	HGF_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.