

HGF Protein, Rat (GST)

Cat. No.:	HY-P71688
Synonyms:	Hgf; Hepatocyte growth factor; Hepatopoietin-A
Species:	Rat
Source:	E. coli
Accession:	P17945 (477T-728L)
Gene ID:	24446
Molecular Weight:	Approximately 55.0 kDa

PROPERTIES

AA Sequence	<p> T I V N L D H P V I S C A K T K Q L R V V N G I P T Q T T V G W M V S L K Y R N K H I C G G S L I K E S W V L T A R Q C F P A R N K D L K D Y E A W L G I H D V H E R G E E K R K Q I L N I S Q L V Y G P E G S D L V L L K L A R P A I L D N F V S T I D L P S Y G C T I P E K T T C S I Y G W G Y T G L I N A D G L L R V A H L Y I M G N E K C S Q H H Q G K V T L N E S E L C A G A E K I G S G P C E G D Y G G P L I C E Q H K M R M V L G V I V P G R G C A I P N R P G I F V R V A Y Y A K W I H K V I L T Y K L </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>HGF protein is a potent mitogen that stimulates the growth of mature parenchymal hepatocyte cells. It functions as a hepatotrophic factor and acts as a growth factor for various tissues and cell types. HGF serves as an activating ligand for the receptor tyrosine kinase MET, promoting its dimerization. Furthermore, it activates MAPK signaling through TMRSS13 cleavage and activation. Structurally, HGF is composed of an alpha chain and a beta chain connected by a disulfide bond. It also interacts with SRPX2, which enhances the mitogenic activity of HGF.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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