HGF Protein, Cynomolgus (HEK293)

Cat. No.:	HY-P75809
Synonyms:	Hepatocyte growth factor; F-TCF; Hepatopoeitin-A; HGF; HGFB; HPTA; SF
Species:	Cynomolgus
Source:	HEK293
Accession:	C9E9X5 (M1-S728)
Gene ID:	102133907
Molecular Weight:	Approximately 89&58&34&32 kDa

PROPERTIES

Biological Activity	1.Measured by its ability to inhibit TGFß1 activity on Mv-1-lu mink lung epithelial cells and the ED_{50} is 1-10 ng/mL. 2. Immobilized HGF Protein, Cynomolgus, Recombinant at 2 μg/mL (100 μL/well) can bind c-MET Protein, Cynomolgus, Rhesus, Recombinant (His Tag), the EC_{50} is 60-240 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	HGF Protein is a potent mitogen that stimulates the growth of mature parenchymal hepatocyte cells and exhibits hepatotrophic properties. It also acts as a growth factor for various tissues and cell types. HGF Protein functions as an activating ligand for the receptor tyrosine kinase MET, promoting its dimerization upon binding. Structurally, HGF Protein is composed of an alpha chain and a beta chain that are linked together by a disulfide bond. Additionally, HGF Protein interacts with SRPX2, leading to an increased mitogenic activity of HGF.

Caution: Product has not been fully validated for medical applications. For research use only.

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