

Active Recombinant Cynomolgus HGF protein

Cat. No. HGF-146C Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus HGF protein(C9E9X5) (Met1-Ser728) was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	Met1-Ser728
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized HGF Protein, Cynomolgus, Recombinant at 2 µg/mL (100 µL/well) can bind c-MET Protein, Cynomolgus, Rhesus, Recombinant (His Tag), the EC50 is 60-240 ng/mL. 2. Measured by its ability to inhibit TGFβ1 activity on Mv-1-lu mink lung epithelial cells. The ED50 for this effect is typically 2-10 ng/mL.
Molecular Mass	The recombinant Cynomolgus HGF consists of 697 amino acids and has a calculated molecular mass of 79.6 KDa. It migrates as 89,58,34 and 32 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	>95% as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

GENE INFORMATION

Gene Name	HGF hepatocyte growth factor [<i>Macaca fascicularis</i> (crab-eating macaque)]
Official Symbol	HGF
Synonyms	HGF
Gene ID	102133907
mRNA Refseq	XM_015447842
Protein Refseq	XP_015303328.1

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