



Catalog Number:	PR15061-5	Product Type:	Recombinant protein
Source:	A DNA sequence encoding the 728 amino acid residue variant of the human pre-pro-HGF was expressed in Sf 21 insect cells using a baculovirus expression system.		
Molecular Mass:	Recombinant human HGF, composed of a mixture of the single chain and the disulfide-linked heterodimeric protein, migrates as an approximately 60 - 70 kDa protein in SDS-PAGE under non-reducing conditions.		
Purity:	> 95%, as determined by SDS-PAGE and visualized by silver stain.		
Endotoxin Levels:	< 1.0 EU per 1 µg of the enzyme as determined by the LAL method.		
Activity:	The biological activity of recombinant human HGF was measured by its ability to stimulate 3H-thymidine incorporation in the HGF responsive monkey epithelial cell line, 4MBr-5 (Rubin, J.S. <i>et al.</i> , 1991, Proc. Natl. Acad. Sci. 88 :415 - 419). The ED50 for this effect is typically 20.0 - 40.0 ng/mL		
Format:	Lyophilized from a 0.2 µm filtered solution in 20 mM sodium phosphate buffer plus 0.5 M sodium chloride (pH 7.0) containing 50 µg of bovine serum albumin per 1 µg of cytokine. It is recommended that sterile phosphate-buffered saline containing at least 0.1% human serum albumin or bovine serum albumin be added to the vial to prepare a stock solution of no less than 10 µg/mL of the cytokine.		
Storage:	Samples are stable for up to six months at -70° C in a manual defrost freezer after the date of receipt. After receiving, this protein can be aliquoted and stored at above temperature for up to six months without a significant loss of activity. Avoid repeated freeze-thaw cycles.		

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