# Recombinant Rat Hgf protein(Met1-Leu728)

**Cat. No.** Hgf-8806R **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Rat HGF (NP_058713.1)(Met1-Leu728) was expressed and purified in HEK293. |
| **Species** | Rat |
| **Source** | HEK293 |
| **ProteinLength** | 1-728 a.a. |
| **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** | Measured in a cell proliferation assay using Mv-1-1u mink lung epithelial cells. The ED50 for this effect is typically 1-6 ng/mL. |
| **Molecular Mass** | The recombinant rat HGF consists of 696 amino acids and has a predicted molecular mass of 79.3 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 92 kDa in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method |
| **Purity** | > 85 % as determined by SDS-PAGE |
| **Storage** | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. |

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| | 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 that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | Hgf hepatocyte growth factor [ Rattus norvegicus ] |
| **Official Symbol** | Hgf |
| **Synonyms** | HGF; hepatocyte growth factor; SF; scatter factor; hepatopoeitin-A; hepatopoietin-A; HPTA; |
| **Gene ID** | 24446 |
| **mRNA Refseq** | NM_017017 |
| **Protein Refseq** | NP_058713 |

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