

Active Recombinant Mouse Hgf protein(Met1-Leu728), His-tagged

Cat. No. Hgf-8664M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HGF (Q08048-1) (Met1-Leu728) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Leu728
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 by its ability to neutralize TGF-beta mediated inhibition on Mv-1-Lu cell proliferation. The ED50 for this effect is typically 1-8 ng/mL.
Molecular Mass	The recombinant mouse HGF comprises 707 amino acids and has a predicted molecular mass of 80.8 kDa. The apparent molecular mass of the protein is approximately 92 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 70 % 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

Gene Name Hgf hepatocyte growth factor [*Mus musculus*]

Official Symbol Hgf

Synonyms HGF; hepatocyte growth factor; SF; scatter factor; hepatopoeitin-A; hepatopoietin-A; NK1; NK2; HGF/SF; SF/HGF; C230052L06Rik;

Gene ID 15234

mRNA Refseq NM_010427

Protein Refseq NP_034557

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