

Recombinant Mouse Hgf protein, His-tagged

Cat. No. Hgf-794M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hgf aa. (Asp482~Val710 (Accession # Q08048)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Asp482~Val710
Description	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell growth, cell motility and morphogenesis in numerous cell and tissue types. The encoded preproprotein is proteolytically processed to generate multiple protein products, including the hepatocyte growth factor alpha and beta chains, which heterodimerize to form the mature active protein. Although this protein is a member of the peptidase S1 family of serine proteases, it lacks peptidase activity. Homozygous knockout mice for this gene exhibit embryonic lethality due to impaired development of the placenta and liver. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH2O.

GENE INFORMATION

Gene Name	Hgf hepatocyte growth factor [Mus musculus (house mouse)]
Official Symbol	Hgf
Synonyms	Hgf; hepatocyte growth factor; SF; NK1; NK2; HGF/SF; SF/HGF; C230052L06Rik;
Gene ID	15234
mRNA Refseq	NM_001289458.1

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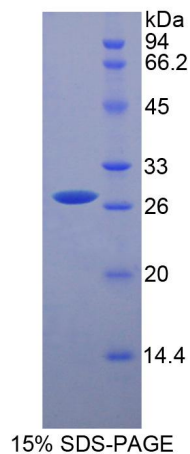
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Protein Refseq NP_001276387.1

UniProt ID Q08048

SDS-PAGE



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