Recombinant Mouse Hpse protein, His-tagged

Cat. No. Hpse-703M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hpse aa. (Thr27~Glu101 (Accession # Q6YGZ1)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr27~Glu101
Description	This gene encodes an endoglucuronidase enzyme that plays an important role in tumor invasion and metastasis. The encoded preproprotein undergoes proteolytic processing to generate an active heterodimeric enzyme that cleaves the heparan sulfate proteoglycans associated with the cell surface and extracellular matrix. Mice lacking the encoded protein do not show any prominent pathological alterations under normal conditions but fail to develop albuminuria and renal damage in response to drug-induced diabetes.
Form	Freeze-dried powder
Molecular Mass	10 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.6.
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 PBS, pH7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Hpse heparanase [Mus musculus (house mouse)]
Official Symbol	Hpse
Synonyms	Hpse; heparanase; Hpa; HSE1; Hpr1; endo-glucoronidase; endoglycosidase heparanase
Gene ID	15442
mRNA Refseq	NM_152803.5
Protein Refseq	NP_690016.1

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UniProt ID	Q6YGZ1

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