Recombinant Mouse Prss1 Protein, His-tagged

Cat. No. Prss1-1990M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prss1 Protein (Lys23-Asn246) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys23-Asn246
Description	Predicted to enable calcium ion binding activity and serine-type endopeptidase activity. Predicted to be involved in proteolysis. Located in collagen-containing extracellular matrix. Is expressed in ductus deferens; epididymis; esophagus; and pancreas. Orthologous to human PRSS3 (serine protease 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.6 kDa Accurate Molecular Mass: 31 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade for

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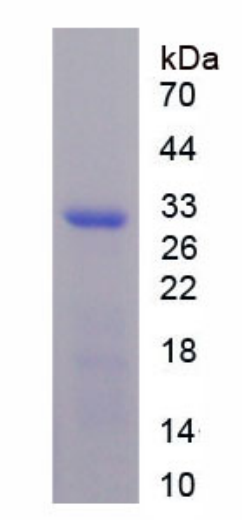
	48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Prss1 protease, serine, 1 (trypsin 1) [Mus musculus (house mouse)]
Official Symbol	Prss1
Synonyms	PRSS1; protease, serine, 1 (trypsin 1); protease, serine, 1; trypsin 1; trypsinogen 16; Try1; Try-1; Trygn16;
Gene ID	114228
mRNA Refseq	NM_053243
Protein Refseq	NP_444473
UniProt ID	Q9Z1R9



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