Recombinant Rat Prss1 Protein, His-tagged

Cat. No. Prss1-1991R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Prss1 Protein (Ser43-Asp241) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser43-Asp241
Description	Predicted to enable serine-type endopeptidase activity. Involved in response to caffeine; response to nicotine; and response to nutrient. Located in extracellular space. Biomarker of cystic fibrosis; pancreatitis; and type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in pancreatitis. Orthologous to human PRSS1 (serine protease 1) and PRSS3 (serine protease 3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.78 kDa Accurate Molecular Mass: 27 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Prss1 protease, serine, 1 (trypsin 1) [Rattus norvegicus (Norway rat)]
Official Symbol	Prss1
Synonyms	PRSS1; protease, serine, 1 (trypsin 1); anionic trypsin-1; pretrypsinogen I; anionic trypsin I; serine protease 1; protease, serine, 2; pancreatic trypsin 1; Try1; PTRYI; RATPTRYI;
Gene ID	24691
mRNA Refseq	NM_012635
Protein Refseq	NP_036767
UniProt ID	P00762

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