

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA