Recombinant Rat Tmprss2 Protein, His-tagged

Cat. No. Tmprss2-429R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Tmprss2 Protein (Lys106-Ser490) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Lys106-Ser490
Description	Predicted to enable scavenger receptor activity and serine-type endopeptidase activity. Predicted to be involved in positive regulation of viral entry into host cell and protein autoprocessing. Predicted to be located in nucleoplasm and plasma membrane. Orthologous to human TMPRSS2 (transmembrane serine protease 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.2 kDa Accurate Molecular Mass: 47 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

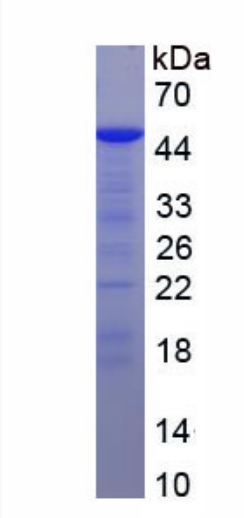
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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 sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Tmprss2 transmembrane protease, serine 2 [Rattus norvegicus (Norway rat)]
Official Symbol	Tmprss2
Synonyms	TMPRSS2; transmembrane protease, serine 2; transmembrane protease serine 2
Gene ID	156435
mRNA Refseq	NM_130424
Protein Refseq	NP_569108

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