

RPB537Mu01 10µg
Recombinant Protease, Serine 2 (PRSS2)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[**PROPERTIES**]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Thr29~Gln240

Tags: N-terminal His-Tag

Tissue Specificity: Brain, Heart, Liver.

Subcellular Location: Secreted, extracellular space.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.7

Predicted Molecular Mass: 26.5kDa

Accurate Molecular Mass: 26kDa as determined by SDS-PAGE reducing conditions.

[**USAGE**]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[**STORAGE AND STABILITY**]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: 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.

[SEQUENCE]

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TC RESSVPYQVS LNAGYHFCGG
SLINDQWVVS AAHCYKYRIQ VRLGEHNINV LEGNEQFVDS AKIIRHPNYN
SWTLDNDIML IKLASPVTLN ARVASVPLPS SCAPAGTQCL ISGWGNTLSN
GVNPNPLLQC VDAPVLPQAD CEASYPGDIT NNMICVGFLE GGDSCQGDG
GGPVVCNGEL QGIVSWGYYC AQPDPAGVYT KVCNYVDWIQ

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[IDENTIFICATION]

JCC TCCGAGAGATCTCTCCCTACGGGTCTCCCTGAACTCTGGCTACGCTCTCTGGAGGTCCCTTCTCATGACGAGTGGGTGTCTGAGCTGCTCTGAGTCCGCTCAGTGAAGTGGAGAGCAACATCTCTCCGGGGCAATGAGCATTTCTCATTTCTGCAAGATCATGAGATCCGAT
 T C R E S S V P I Q V S L H S G I R F C G G S L I N D Q W V V S A A H C I K S A I Q V R L G E H N I N V L G N E Q F V D S A K I I R H P N Y N

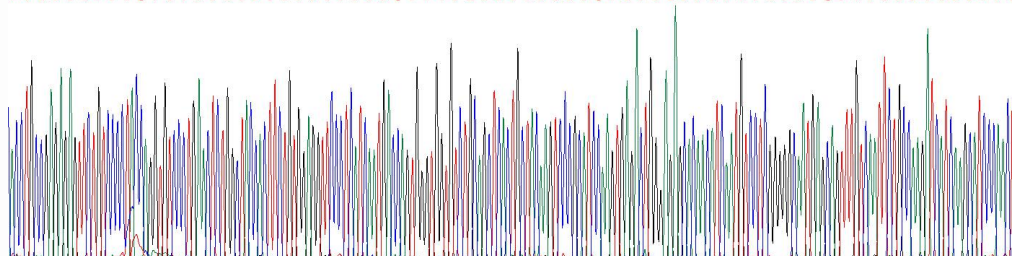


Figure 1. Gene Sequencing (Extract)

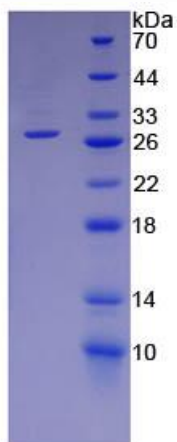


Figure 2. SDS-PAGE