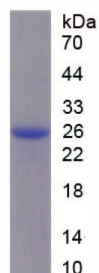


Human Serine Protease 1 (PRSS1) Protein

Catalogue No.: abx068707



SDS-PAGE analysis of recombinant Human Protease, Serine 1 Protein.

Human Protease, Serine 1 (PRSS1) is a recombinant Human protein produced in a Prokaryotic expression system (E. coli).

This protein is the immunogen for the following antibodies: [abx101909](#)

Target: Serine Protease 1 (PRSS1)

Origin: Human

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Activity: Not tested

Purity: > 90%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Storage: Store at 2-8°C for up to one month. For long-term storage, store at -80°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P07477 ([UniProt](#), [ExPASy](#))

Datasheet

Version: 7.0.0
Revision date: 05 Oct 2025



Gene Symbol: PRSS1

GeneID: [5644](#)

OMIM: [167800](#)

HGNC: 9475

KEGG: hsa:5644

Ensembl: ENSG00000204983

String: [9606.ENSP00000308720](#)

Molecular Weight: Calculated MW: 22.7 kDa

Observed MW (SDS-PAGE): 26 kDa

Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: Ser51-Val228

Sequence: SLINEQWVVS AGHCYKSRIQ VRLGEHNIEV LEGNEQFINA AKIIRHPQYD RKTLLNNDIML
IKLSSRAVIN ARVSTISLPT APPATGTKCL ISGWGNTASS GADYPDELQC LDAPVLSQAK
CEASYPGKIT SNMFCVGFLE GGDSCQGDS GGPVVCNGQL QGVVSWGDGC AQKNKPGV

Tag: N-terminal His tag

Buffer: Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 1 mM EDTA, 5% Trehalose.

Concentration: Prior to lyophilization: 100 µg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.