

Protease, Serine 8 (PRSS8) Recombinant Protein | PRSS8 recombinant protein

Recombinant Protease, Serine 8 (PRSS8)

CATALOG # AAA134215	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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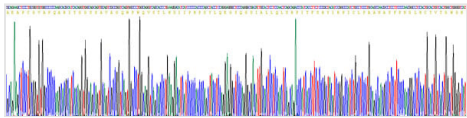
PRODUCT SYNONYMS

Protease; Serine 8 (PRSS8); Recombinant Protease; PRSS8 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for PRSS8 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Ala33~Thr218
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	5.7
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	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.

IMAGES



Identification
Gene Sequence Extract

AEAPCGVA PQARITGGSS

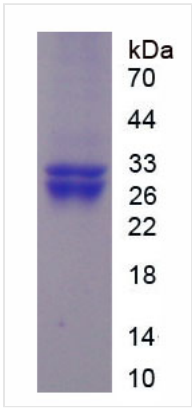
AVAGQNPWQV STLKDIIPHP SYLQEGSQGD IALLQLSRPI TFSRYIRPIC

LPAANASFPN GLHCTVTGNG HVAPSVSLLT PKPLQQLLEVP LISRETCNCL

YNIDAKPEEP HFVQEDMVCA GYVEGGKDAC QGDSGGPLSC PVEGLHWLTG

IVSWGDACGA RNRPGVYT

Gene Sequence



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506153
NCBI GeneID	5652
NCBI Accession #	NP_002764.1
NCBI GenBank Nucleotide #	NM_002773.3
UniProt Accession #	Q16651; Q9UCA3
Molecular Weight	Predicted Molecular Mass: 27.0kDa Accurate Molecular Mass: 33/24kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	prostasin preproprotein
NCBI Official Synonym Full Names	protease, serine, 8
NCBI Official Symbol	PRSS8
NCBI Official Synonym Symbols	CAP1; PROSTASIN
NCBI Protein Information	prostasin; serine protease 8; channel-activating protease 1
UniProt Protein Name	Prostasin
UniProt Gene Name	PRSS8
UniProt Synonym Gene Names	CAP1
UniProt Entry Name	PRSS8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.