

Recombinant Human PRSS1 Protein

Catalog #	Source	Reactivity	Applications
CRP2166	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human PRSS1 Protein is produced by our mammalian expression system and the target gene encoding Ala16-Ser247 is expressed with a Fc, 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.2.		
Gene Symbol	PRSS1		
Alternative Names	TRP1; TRY1; TRYP1; Trypsin-1; Beta-trypsin; Cationic trypsinogen; Serine protease 1; Trypsin I		
Entrez Gene	5644 (Human)		
SwissProt	P07477 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>APFDDDDKIV GGYNCEENS VYQVSLNSGY HFCGGSLINE QWVVSAGHCY KSRIQVRLGE</p> <p>HNIEVLEGNE QFINAAKIIR HPQYDRKTLN NDIMLIKLS RAVINARVST ISLPTAPPAT</p> <p>GTKCLISGWG NTASSGADYP DELQCLDAPV LSQAKCEASY PGKITSNMFC VGFLEGGKDS</p> <p>CQGDSSGPPV CNGQLQGVVS WGDGCAQKNK PGVYTKVYNY VKWIKNTIAA</p> <p>NSVDDIEGRM DEPKSCDKTH TCPPEPAPEL LGGPSVFLFP PKPKDTLMIS RTPEVTCVVV</p> <p>DVSHEDPEVK FNWYVDGVEV HNAKTKPREE QYNSTYRVVS VLTVLHQDWL NGKEYKCKVS</p> <p>NKALPAPIEK TISKAKGQPR EPQVYTLPPS REEMTKNQVS LTCLVKGFYP SDIAVEWESN</p> <p>GQPENNYKTT PPVLDSGDSF FLYSKLTVDK SRWQQGNVFS CSVMHEALHN HYTQKSLSL</p> <p>PGKHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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