

Active Recombinant Human PRSS27 protein, His-tagged

Cat. No. PRSS27-1176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRSS27 protein(Q9BQR3)(Met1-Lys290), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys290
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave a colorimetric peptide substrate, NcarbobenzyloxyGlyArgThioBenzyl ester (ZGR-SBzl), in the presence of 5,5'Dithiobis (2-nitrobenzoic acid) (DTNB).The specific activity is > 2000 pmols/min/μg.
Molecular Mass	The recombinant human PRSS27 consists of 279 amino acids and has a predicted molecular mass of 30.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh PRSS27 is approximately 42 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name PRSS27 protease, serine 27 [Homo sapiens]

Official Symbol PRSS27

Synonyms PRSS27; protease, serine 27; serine protease 27; CAPH2; marapsin; MPN; pancreasin; channel-activating protease 2;

Gene ID 83886

mRNA Refseq NM_031948

Protein Refseq NP_114154

MIM 608018

UniProt ID Q9BQR3

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