

Active Recombinant Human PRSS8 protein(Ala30-Arg322), His-tagged

Cat. No. PRSS8-315H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Prss8 (NP_002764.1) (Ala 30-Arg 322) was expressed in HEK293, fused with a signal peptide at the N-terminus and a polyhistidine-tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Ala30-Arg322
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate Boc-QAR-AMC. The specific activity is >10 pmoles/min/μg.
Molecular Mass	The mature recombinant human Prss8 consists of 304 amino acids and predicts a molecular mass of 32.8 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhPrss8 is approximately 40 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 97 % 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 PRSS8 protease, serine, 8 [Homo sapiens]

Official Symbol PRSS8

Synonyms PRSS8; protease, serine, 8; prostatic; serine protease 8; channel-activating protease 1; CAP1; PROSTASIN;

Gene ID 5652

mRNA Refseq NM_002773

Protein Refseq NP_002764

MIM 600823

UniProt ID Q16651

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