

Recombinant Human PRSS8

Cat. No. PRSS8-30708TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PRSS8 with N-terminal proprietary tag. Predicted MW 36.52kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Found in prostate, liver, salivary gland, kidney, lung, pancreas, colon, bronchus and renal proximal tubular cells. In the prostate gland it may be synthesized in epithelial cells, secreted into the ducts, and excreted into the seminal fluid.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AEAPCGVAPQARITGGSSAVAGQWPWQVSITYEGVHVCGGSLVSEQWVLSAAHCF PSEHHKEAYEVKLGALQLDSYSEDAKVSTLKDIIHPHSYLQEGS
Sequence Similarities	Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain.

GENE INFORMATION

Gene Name	PRSS8 protease, serine, 8 [Homo sapiens]
Official Symbol	PRSS8
Synonyms	PRSS8; protease, serine, 8; prostatic;
Gene ID	5652
mRNA Refseq	NM_002773
Protein Refseq	NP_002764
MIM	600823
Uniprot ID	Q16651
Chromosome Location	16p11.2

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Function

peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;
sodium channel regulator activity;

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