

## Recombinant Human PRSS1 Protein, His-tagged

Cat. No. PRSS1-2629H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRSS1 Protein (Ile24-Ser247) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile24-Ser247
<b>Description</b>	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 27.8 kDa Accurate Molecular Mass: 30 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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 centigrade 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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	PRSS1 protease, serine, 1 (trypsin 1) [ Homo sapiens (human) ]
<b>Official Symbol</b>	PRSS1
<b>Synonyms</b>	PRSS1; protease, serine, 1 (trypsin 1); TRY1; trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional trypsin 1; TRP1; TRY4; TRYP1; FLJ57296; MGC120175; MGC149362; DKFZp779A0837;
<b>Gene ID</b>	5644
<b>mRNA Refseq</b>	NM_002769
<b>Protein Refseq</b>	NP_002760
<b>MIM</b>	276000

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