

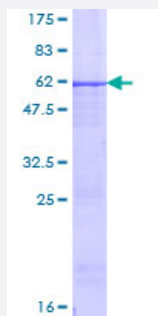
Full-Length

PRSS1 (Human) Recombinant Protein (P01)

Catalog # H00005644-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PRSS1 full-length ORF (NP_002760.1, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNPLLILTFVAAALAAPFDDDDKIVGGYNCEENSVPYQVSLNSGYHFCGGSLINEQWVVSAGHCY
KSRIQVRLGEHNIEVLEGNEQFINAAKIIIRHPQYDRKTLNNDIMLIKSSRAVINARVSTISLPTAPPAT
GTKCLISGWGNTASSGADYPDELQCLDAPVLSQAKCEASYPGKITSNMFCVGFLEGGKDSCQG
DSGGPVVCNGQLQGVVSWGDGCAQKNKPGVYTKVYNYVKWIKNTIAANS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53

Interspecies Antigen Sequence

Mouse (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRSS1

Entrez GeneID [5644](#)

GeneBank Accession# [NM_002769.2](#)

Protein Accession# [NP_002760.1](#)

Gene Name PRSS1

Gene Alias MGC120175, MGC149362, TRP1, TRY1, TRY4, TRYP1

Gene Description protease, serine, 1 (trypsin 1)

Omim ID [167800 276000](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations cationic trypsinogen|digestive zymogen|nonfunctional trypsin 1|protease, serine, 1|serine protease 1|trypsin I|trypsinogen 1|trypsinogen A

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Calcinosis](#)
- [Chronic Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Exocrine Pancreatic Insufficiency](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemias](#)
- [Hyperparathyroidism](#)
- [Infant](#)
- [Pancreatic cancer](#)
- [Pancreatic Diseases](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Recurrence](#)
- [Syndrome](#)