

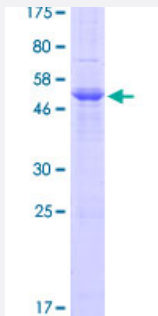
Full-Length

PRSS3 (Human) Recombinant Protein (P01)

Catalog # H00005646-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRSS3 full-length ORF (NP_002762.2, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNPFLILAFVGAAVAVPFDDDDKIVGGYTCEENSLPYQVSLNSGSHFCGGSLISEQWVVSAAHCY KTRIQVRLGEHNIKVLEGNEQFINAAKIIRHPKYNRDTLDNDIMLIKLSPPAVINARVSTISLPTAPPAA GTECLISGWGNTLSFGADYPDELKCLDAPVLTQAECKASYPGKITNSMFCVGFLEGGKDSCQRD SGGPVVCNGQLQGVVSWGHCAGWKNRPGVYTKVYNYVDWIKDTIAANS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.1
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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 — PRSS3

Entrez GeneID [5646](#)

GeneBank Accession# [NM_002771.2](#)

Protein Accession# [NP_002762.2](#)

Gene Name PRSS3

Gene Alias MTG, PRSS4, TRY3, TRY4

Gene Description protease, serine, 3

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000045395|brain trypsinogen|mesotrypsin|mesotrypsinogen|pancreatic trypsinogen III|protease, serine, 4 (trypsin 4, brain)|trypsin 3|trypsinogen 4|trypsinogen 5|trypsinogen IV

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Pancreatitis](#)