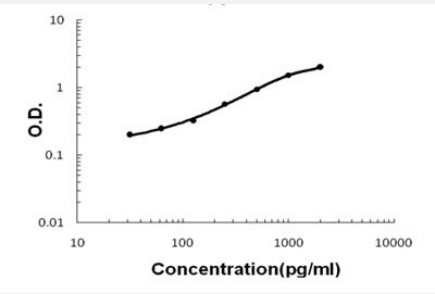
PRSS1/PRSS2/PRSS3 (Human) ELISA Kit

Catalog # KA6183 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	PRSS1/PRSS2/PRSS3 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for t he quantitative measurement of human PRSS1/PRSS2/PRSS3 in cell culture supernatants, serum a nd plasma (heparin).
Suitable Sample	Cell Culture supernatants, Plasma (Heparin) and Serum.
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	31.2 to 2000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — PRSS1

Entrez GeneID	5644
Protein Accession#	P07477; P07478; P35030
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. Thi s enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is acti ve on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene ar e associated with hereditary pancreatitis. This gene and several other trypsinogen genes are loca lized 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

Gene Info — PRSS2

Entrez GeneID	5645
Protein Accession#	P07477; P07478; P35030
Gene Name	PRSS2
Gene Alias	MGC111183, MGC120174, TRY2, TRY8, TRYP2
Gene Description	protease, serine, 2 (trypsin 2)
Omim ID	601564
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. Thi s enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is acti ve on peptide linkages involving the carboxyl group of lysine or arginine. This gene and several ot her trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. [provided by RefSeq
Other Designations	anionic trypsinogen|protease serine 2 preproprotein|protease, serine, 2|protease, serine, 2, prepr oprotein|trypsin 2|trypsin II|trypsinogen 2

Gene Info — PRSS3

Entrez GeneID	5646
Protein Accession#	P07477; P07478; P35030
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. Thi s enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It i s active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localiz ed 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
- Neuroactive ligand-receptor interaction
- Neuroactive ligand-receptor interaction

Disease

- Acute Disease
- Adenocarcinoma

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

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