Anionic trypsin-1 Protein, Rat (P.pastoris, His)

Cat. No.:	HY-P71772
Synonyms:	Prss1; Try1; Anionic trypsin-1; EC 3.4.21.4; Anionic trypsin I; Pretrypsinogen I; Serine protease 1
Species:	Rat
Source:	P. pastoris
Accession:	P00762 (24I–246N)
Gene ID:	24691
Molecular Weight:	Approximately 23.1 kDa

PROPERTIES

AA Sequence	I V G G Y T C P E H S V P Y Q V S L N S G Y H F C G G S L I N D Q W V V S A A H C Y K S R I Q V R L G E H N I N V L E G D E Q F I N A A K I I K H P N Y S S W T L N N D I M L I K L S S P V K L N A R V A P V A L P S A C A P A G T Q C L I S G W G N T L S N G V N N P D L L Q C V D A P V L S Q A D C E A A Y P G E I T S S M I C V G F L E G G K D S C Q G D S G G P V V C N G Q L Q G I V S W G Y G C A L P D N P G V Y T K V C N F V G W I Q D T I A A N
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Serine protease 1 is a member of the trypsin family of serine proteases. Serine protease 1 is secreted by the pancreas and cleaved to its active form in the small intestine. Serine protease 1 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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