

RPES8369

Product Information

Product SKU: RPES8369	Expression Host: Mammalian	Size: 20µg
Tag: C-His	Reactivity: Human	Accession: P07478

Additional Information

Calculated MW: 27.1 kDa	Observed MW: 30 kDa
Sequence: Met1-Ser247	

Protein Information

Background: Trypsin-2, also known as Trypsin II, Anionic trypsinogen, Serine protease 2, PRSS2 and TRY2, is a secreted protein that belongs to the trypsin serine protease family including Trypsin, PRSS1, PRSS2 and PRSS3. It consists of a signal peptide (residues 1-15), a pro region (residues 16-23), and a proteolytically active mature chain (residues 24-247). PRSS2 contains one peptidase S1 domain. It is secreted into the duodenum, hydrolysing peptides into their smaller building blocks, which is necessary for the uptake of protein in the food. It is secreted by the pancreas in the form of inactive zymogen, trypsinogen and cleaved to its active form in the small intestine when the pancreas is stimulated by cholecystokinin through the common activation mechanism.

Synonyms: PRSS, TRYP, Tesp, Serine protease, TRY2TRY, EC 3.4., TRY, PRSS2, TRY2, TRY8, TRYP2, trypsin-2, serine, preproprotein, protease, MGC111183, Tesp4, MGC120174, TRY2TRY8, MGC120175, Anionic trypsinogen, 2 (trypsin 2), EC 3.4.21, EC 3.4.21.4, Serine protease 2, protease serine 2 preproprotein, Trypsin 2, Trypsin II, trypsinogen 2, Trypsinogen 20

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

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Storage:

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.