

Recombinant Human Try-2 Protein(His Tag)

Catalog Number: PDMH100327

Note: Centrifuge before opening to ensure complete recovery of vial contents.

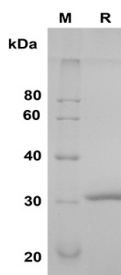
Description

Species	Human
Source	Mammalian-derived Human Try-2 proteins Met1-Ser247, with an C-terminal His
Calculated MW	27.1 kDa
Observed MW	30 kDa
Accession	P07478
Bio-activity	Not validated for activity

Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU/mg of the protein as determined by the LAL method
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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human Try-2 proteins, 2 µg/lane of Recombinant Human Try-2 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 30 KD

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.

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