

For Research Use Only

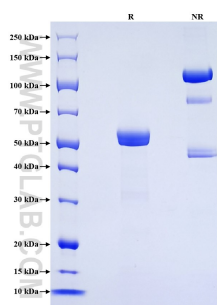
Recombinant Rat CTRB1 protein (rFc Tag) (HPLC verified)



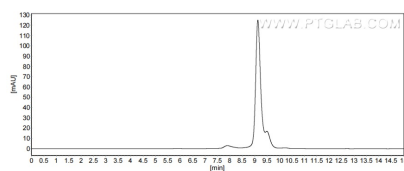
Catalog Number: Eg3252

Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE >90 %, SEC-HPLC Endotoxin Level: <0.1 EU/ µ g protein, LAL method Source: HEK293-derived Rat CTRB1 protein Cys19-Asn263 (Accession# P07338) with a rabbit IgG Fc tag at the C-terminus. GeneID: 24291 Accession: P07338 Predicted Molecular Mass: 52.2 kDa SDS-PAGE: 50-60 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CTRB1, also known as CTRB, belongs to the serine protease family. CTRB1 is a serine protease digestive enzyme precursor produced largely by the exocrine pancreas and which was associated with a lower risk of pancreatic cancer. CTRB1 expression is enriched in pancreas.		
References	1.Smith-Byrne K. et al. (2024) Nat Commun. 15(1):3621. 2.Zou M and Yang J. (2024) Pharmaceuticals (Basel). 17(6):766.		
Synonyms	Chymotrypsin B chain A, Chymotrypsin B chain B, Chymotrypsin B chain C, Chymotrypsinogen B, Ctrb		

Selected Validation Data



Purity of Recombinant Rat CTRB1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Rat CTRB1 was greater than 90% as determined by SEC-HPLC.