

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/μg 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 μm 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

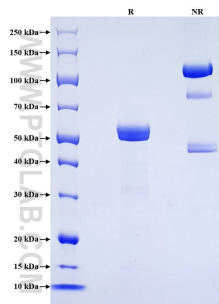
Chymotrypsin B chain A, Chymotrypsin B chain B, Chymotrypsin B chain C, Chymotrypsinogen B, Ctrb

For technical support and original validation data for this product please contact

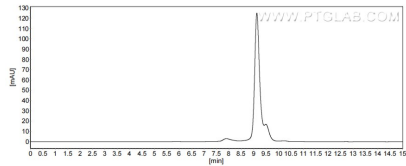
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.