

Recombinant Human CTRB1 protein, His & T7-tagged

Cat. No. CTRB1-1165H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CTRB1 aa. (Ile34~Ala261 (Accession # P17538) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ile34~Ala261
Description	This gene encodes a member of the serine protease family of enzymes and forms a principal precursor of the pancreatic proteolytic enzymes. The encoded preproprotein is synthesized in the acinar cells of the pancreas and secreted into the small intestine where it undergoes proteolytic activation to generate a functional enzyme. This gene is located adjacent to a related chymotrypsinogen gene. This gene encodes distinct isoforms, some or all of which may undergo similar processing to generate the mature protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.9kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CTRB1 chymotrypsinogen B1 [Homo sapiens (human)]
Official Symbol	CTRB1
Synonyms	CTRB1; chymotrypsinogen B1; CTRB; chymotrypsinogen B
Gene ID	1504
mRNA Refseq	NM_001329190.1
Protein Refseq	NP_001316119.1

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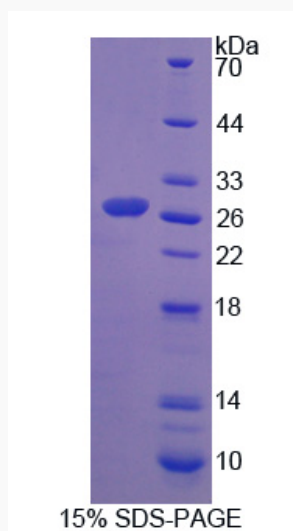
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UniProt ID

P17538

SDS-PAGE

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