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## Product Data Sheet

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Product Name: CTRB1 Human

Cat. No.: GP21500

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Amino Acid Sequence	CG VPAIHPVLSG LSRIVNGEDA VPGSWPWQVS LQDKTGFHFC GGSLISEDWVVTAAHCGVRT SDVVVAGEFD QGSDEENIQV LKIAKVFKNP KFSILTVNND ITLLKLATPA RFSQTVSAVCLPSADDDFPAGTLCATTGWG KTKYNANKTP DKLQQAALPL LSNAECKKSW GRRITDVMIC AGASGVSSCMGDSGGPLVCQ KDGAWTLVGI VSWGSDTCST SSPGVYARVTKLIPWVQKIL AAN.		
Solubility	It is recommended to reconstitute the lyophilized Human CTRB1 in 1ml 50mM HAc which can then be further diluted to other aqueous solutions.		
Formulation	The Human CTRB1 was lyophilized without any additives.		

**Introduction**

Chymotrypsinogen-B1 (CTRB1) belongs to the serine protease family of enzymes and forms a main precursor of the pancreatic proteolytic enzymes. CTRB1 is located next to a related chymotrypsinogen gene. CTRB1 is a protein coding gene which encodes different isoforms which may undergo similar processing to generate the mature protein.

**Biological Activity**

1100 units/mg protein. One unit is defined as the amount of enzyme that will hydrolyze 1.0  $\mu$ mole of N-alpha-acetyl-L-tyrosine ethyl ester (ATEE) per min at pH 7.0 at 25°C .

**Stability**

Recombinant Human CTRB1 although stable at room temp for 1 week, should be stored desiccated below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Background**

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Recombinant Human CTRB1 expressed in E.coli containing 245 amino acids having a Mw of 27kDa is purified by standard chromatography techniques.

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