

32-6706: CTRB1 Human

Application : Functional Assay

Alternative Name : 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.

Description

Source: E.coli

Sterile Filtered lyophilized powder.

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.

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

Product Info

Amount : 1 mg / 10 mg

Purification : Greater than 95% as determined by HPLC.

Content : The Human CTRB1 was lyophilized without any additives.

It is recommended to reconstitute the lyophilized Human CTRB1 in 1ml 50mM HAc which can then be further diluted to other aqueous solutions.

Storage condition : 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.

Amino Acid : CG VPAIHPVLSG LSRIVNGEDA VPGSWPWQVS LQDKTGFHFC GGSLISEDWV VTAAHCGVRT SDVVVAGEFD QGSDEENIQV LKIAKVFKNP KFSILTVNND ITLLKLATPA RFSQTVSAVC LPSADDDFPAGTLCATTGWG KTKYNANKTP DKLQQAALPL LSNAECKKSW GRRITDVMIC AGASGVSSCM GDSGGPLVCQ KDGAWTLVGI VSWGSDTCST SSPGVYARVTKLIPWVQKIL AAN.

Application Note

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