

Chymotrypsinogen B1, Human Recombinant

CATALOG NO:	P1226-1000 P1226-5000	1 mg 5 mg
ALTERNATE NAMES:	CTRB1, CTBR	
SOURCE:	<i>E. coli</i>	
PURITY:	>95% by SDS-PAGE	
MOL. WEIGHT:	27 kDa	
FORM:	Lyophilized	
FORMULATION:	The Human CTBR1 was lyophilized without any additives.	
RECONSTITUTION:	It is recommended to reconstitute the lyophilized Human CTBR1 in 1 ml 50 mM HAc which can then be further diluted to other aqueous solutions.	
STORAGE CONDITIONS:	Recombinant Human CTBR1 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.	
DESCRIPTION:	Chymotrypsinogen-B1 (CTRB1) belongs to the serine protease family of enzymes and forms a main precursor of the pancreatic proteolytic enzymes. CTBR1 is located next to a related chymotrypsinogen gene. CTBR1 is a protein coding gene which encodes different isoforms which may undergo similar processing to generate the mature protein.	
SPECIFIC ACTIVITY:	1100 units/mg. One unit is defined as the amount of enzyme that will hydrolyze 1.0 µmole of N-alpha-acetyl-L-tyrosine ethyl ester (ATEE) per min at pH 7.0 at 25°C.	
AMINO ACID SEQUENCE:	CG VPAIHPVLSG LSRIVNGEDA VPGSWPWQVS LQDKTGFHFC GGSLISEDWV VTAAHCGVRT SDVVVAGEFD QGSDEENIQV LKIAKVFKNP KFSILTVNND ITLLKLATPA RFSQTVSAVC LPSADDDFPAGTLCATTGWG KTKYNANKTP DKLQQAALPL LSNAECKKSW GRRITDMIC AGASGVSSCM GDSGGPLVCQ KDGAWTLVGI VSWGSDTCST SSPGVYARVTKLIPWVQKIL AAN.	

RELATED PRODUCTS:

- Carboxypeptidase A4, human recombinant (**Cat. No. P1034**)
- Carboxypeptidase A2 (CPA2) Antibody (**Cat. No. 3816**)
- Carboxypeptidase A1 (CPA1) Antibody (**Cat. No. 3825**)
- Carboxypeptidase A2 (CPA2) Blocking Peptide (**Cat. No. 3816BP**)
- Carboxypeptidase A1 (CPA1) Blocking Peptide (**Cat. No. 3825BP**)

FOR RESEARCH USE ONLY! Not to be used on humans.