

Chymotrypsinogen-B1, Human Recombinant

Item Number	rAP-1375
Synonyms	
Description	Recombinant Human CTRB1 expressed in E.coli containing 245 amino acids having a Mw of 27kDa is purified by standard chromatography techniques.
Uniprot Accesion Number	P17538
Amino Acid Sequence	CG VPAIHPVLSG LSRIVNGEDA VPGSWPWQVS LQDKTGFHFC GGSLISEDWV VTAAHCGVRT SDVVVAGEFD QGSDEENIQV LKIAKVFKNP KFSILTVNND ITLLKLATPA RFSQTVSAVC LPSADDDFPAGTLCATTGWG KTKYNANKTP DKLQQAALPL LSNAECKKSW GRRITDVMIC AGASGVSSCM GDSGGPLVCQ KDGAWTLVGI VSWGSDTCST SSPGVYARVTKLIPWVQKIL AAN.
Source	E.coli
Physical Appearance and Stability	Sterile Filtered lyophilized powder. 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.
Formulation and Purity	The Human CTRB1 was lyophilized without any additives. Greater than 95% as determined by HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized Human CTRB1 in 1ml 50mM HAc which can then be further diluted to other aqueous solutions.
Biological Activity	1100 units/mg protein. 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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**