

# Recombinant Full Length Human CTRB1 Protein, GST-tagged

**Cat. No.** CTRB1-2323HF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Human CTRB1 full-length ORF ( AAH05385.1, 1 a.a. - 263 a.a.) recombinant protein with GST-tag at N-terminal.

**Species**                      Human

**Source**                        In Vitro Cell Free System

**ProteinLength**              263 amino acids

**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. [provided by RefSeq, Jul 2016]

**Molecular Mass**            54.56 kDa

**AA Sequence**                MAFLWLLSCWALLGTTFGCGVPAIHPVLSGLSRIVNGEDAVPGSWPWQVSLQDKT  
 GFHFCCGSLISEDWVVTAAHCGVRTSDVVVAGEFDQGSDEENIQVLKIAKVFKNPKF  
 SILTVNNDITLLKLATPARFSQTVSAVCLPSADDDFPAGTLCATTGWGKTKYNANKTP  
 DKLQQAALPLLSNAECKKSWGRRITDVMICAGASGVSSCMGDSGGPLVCQKDGAW  
 TLVGIVSWGSDTCSTSSPGVYARVTKLIPWVQKILAAN

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CTRB1 chymotrypsinogen B1 [ Homo sapiens ]
<b>Official Symbol</b>	CTRB1
<b>Synonyms</b>	CTRB1; chymotrypsinogen B1; CTRB; chymotrypsinogen B; FLJ42412; MGC88037;
<b>Gene ID</b>	1504
<b>mRNA Refseq</b>	NM_001906
<b>Protein Refseq</b>	NP_001897
<b>MIM</b>	118890
<b>UniProt ID</b>	P17538

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