

## 32-7470: Recombinant Human Chymotrypsin-C/CTRC (C-6His)

**Gene :** CTRC  
**Gene ID :** 11330  
**Uniprot ID :** Q99895

### Description

Source: Human Cells.  
MW :29kD.

Recombinant Human Chymotrypsin-C is produced by our Mammalian expression system and the target gene encoding Cys17-Leu268 is expressed with a 6His tag at the C-terminus. Chymotrypsin C (CTRC) is a member of the peptidase S1 family. CTRC is a serum calcium-decreasing factor that has chymotrypsin-like protease activity. CTRC has broad substrate specificity, but prefers to cleave on the carboxyl side of hydrophobic residues. CTRC is expressed primarily in the pancreas, and is secreted into the digestive tract. CTRC plays a protective role in the pancreas by mitigating premature trypsinogen activation through degradation. It has been proposed that CTRC is a key regulator of digestive zymogen activation and is a physiological coactivator of digestive carboxypeptidases proCPA1 and proCPA2. The mutation of CTRC gene encodes the digestive enzyme CTRC contribute to the development of pancreatitis.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** CGVPSFPPNLSARVVGGEDARPHSWPWQISLQYLKNDTWRHTCGGTLIASNFVLTAHCISNTRTYRVAVGKN  
NLEVEDEEGSLFVGVDTHVHKRWNALLLRNDIALIKLAEHVELSDTIQVACLPEKDSLLPKDYPCYVTGWGRL  
WTNGPIADKLQQLQPVVDHATCSRIDWWGFRVKKTMCAGGDGVISACNGDSGGPLNCQLENGSWEVFGI  
VSFGSRRGCNTRKKPVVYTRVSAYIDWINEKMQLVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.