

## 32-7412: Recombinant Human Chymotrypsin-Like Protease CTRL-1/CTRL (C-6His)

**Gene :** CTRL  
**Gene ID :** 1506  
**Uniprot ID :** P40313

### Description

Source: Human Cells.  
MW :27.15kD.

Recombinant Human CTRL is produced by our Mammalian expression system and the target gene encoding Cys19-Asn264 is expressed with a 6His tag at the C-terminus. Chymotrypsin-Like Protease CTRL-1 is a protease that belongs to the peptidase S1 family. Human CTRL-1 is synthesized as a 264 amino acid (aa) precursor that contains an 18 aa signal sequence, 15 aa activation peptide and a 231 aa mature chain. CTRL-1 Contains 1 peptidase S1 domain. It has many molecular functions, such as hydrolase, protease, and serine protease. CTRL-1 plays a role in digest and hydrolyze proteins in biological process.

### Product Info

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

### Application Note

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