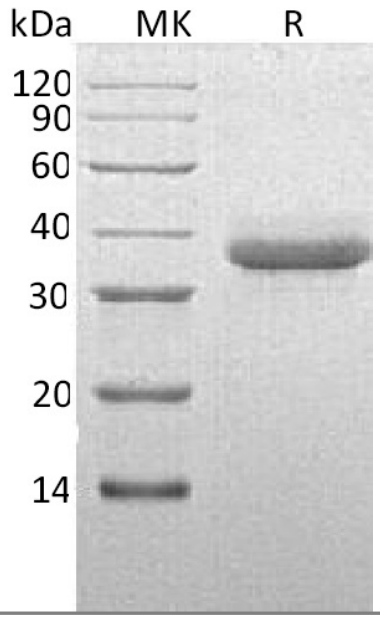
Product Name: Recombinant Human CTRC (C-6His)
Catalog #: PHH0409

Summary

Name	Chymotrypsin C/CTRC
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q99895
Host	Human Cells
Species	Human
Predicted Molecular Mass	29 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-Hcl, 150mM NaCl , pH7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Chymotrypsin-C; Caldecrin; CTRC; CLCR

Background

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 tocleave 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.

Note

For Research Use Only , Not for Diagnostic Use.