

Native Human CTRC

Cat. No. CTRC-27191TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full length Human Chymotrypsin purified from Human Pancreas; amino acids 30-268, MWt 25kDa.
Species	Human
ProteinLength	30-268 a.a.
Description	This gene encodes a member of the peptidase S1 family. The encoded protein is a serum calcium-decreasing factor that has chymotrypsin-like protease activity. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined.
Tissue specificity	Pancreas.
Biological activity	Activity: 40-70 units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one mole of Suc-Ala-Ala-Pro-Phe-pNA per minute at 25°C, pH 8.0
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage buffer	Buffer is 2 mM HCl
Storage	Shipped at 4°C. Store at -20oC.

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Sequence Similarities	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	CTRC chymotrypsin C (caldecrin) [Homo sapiens]
Official Symbol	CTRC
Synonyms	CTRC; chymotrypsin C (caldecrin); chymotrypsin-C; CLCR; ELA4; elastase 4;
Gene ID	11330
mRNA Refseq	NM_007272
Protein Refseq	NP_009203
MIM	601405
Uniprot ID	Q99895
Chromosome Location	1p36.21
Function	peptidase activity; serine-type endopeptidase activity;

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