

Native Bovine Chymotrypsin C (Caldecrin)

Cat. No. CTRC-1209B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NativeBovine Chymotrypsin Pancreatic.
Species	Bovine
Source	Bovine Pancreas
Description	CTRC is a digestiveenzyme that can perform proteolysis. CTRC preferentially cleaves peptideamide bonds where the carboxyl side of the amide bond (the P1 position) is atyrosine, tryptophan, or phenylalanine. These amino acids contain an aromaticring in their sidechain that fits into a "hydrophobic pocket" (the S1position) of the enzyme. The hydrophobic and shape complementarity between the peptide substrate P1 sidechain and the enzyme S1 binding cavity accountsfor the substrate specificity of this enzyme.
Form	Lyophilized
Storage	Stable for one yearat -20°C . Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	CTRC chymotrypsin C(caldecrin) [Bos taurus]
Official Symbol	CTRC
Synonyms	CTRC; chymotrypsin C(caldecrin); CLCR; ELA4; chymotrypsin-C; caldecrin;

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Caldecrin; elastase 4;elastase IV; OTTHUMP00000002321; serum calcium decreasing factor; EC3.4.21.2; EC 3.4.21

Gene ID 514047

mRNA Refseq NM_001098965

Protein Refseq NP_001092435

UniProt ID Q7M3E1

Chromosome Location chromosome: 16

Function peptidaseactivity; serine-type endopeptidase activity

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