

Datasheet for ABIN1096392

**Elastase 4 Protein (AA 17-268) (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	Elastase 4 (CTRC)
Protein Characteristics:	AA 17-268
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Elastase 4 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Chymotrypsin-C/CTRC (C-6His)
Sequence:	CGVPSFPPNL SARVVGEDA RPHSWPWQIS LQYLKNDTWR HTCGGTLIAS NFVLTAAHCI SNTRTYRVAV GKNLEVEDE EGSLFVGVDT IHVHKRWNAL LLRNDIALIK LAEHVELSDT IQVACLPEKD SLLPKDYPCY VTGWGRLWTN GPIADKLQQG LQPVDHATC SRIDWWGFRV KKTMCAGGD GVISACNGDS GGPLNCQLEN GSWEVFGIVS FGSRRGCNTR KKPVVYTRVS AYIDWINEKM QLVDHHHHHH
Characteristics:	Recombinant Human Chymotrypsin-C/CTRC produced by transfected human cells is a secreted protein with sequence (Cys17-Leu268) of Human CTRC fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

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Target:	Elastase 4 (CTRC)
Alternative Name:	chymotrypsin-c ( <a href="#">CTRC Products</a> )
Sub Type:	Fusionprotein
Background:	<p>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.</p> <p>Alternative Names: Chymotrypsin-C, Caldecrin, CTRC, CLCR</p>
Molecular Weight:	29 kDa
UniProt:	<a href="#">Q99895</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months