

Datasheet for ABIN7319317 **Elastase 4 Protein (His tag)**



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Overview

Quantity:	50 µg
Target:	Elastase 4 (CTRC)
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 Protein (His Tag)
Sequence:	Cys17-Leu268
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Elastase 4 (CTRC)
Alternative Name:	Chymotrypsin C (CTRC Products)
Background:	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 to cleave on the carboxyl side of hydrophobic residues. CTRC is

Target Details

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.

Synonym: Chymotrypsin-C, Caldecrin, CTRC, CLCR

Molecular Weight: 29.0 kDa

UniProt: [Q99895](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.