

CTRC Protein, Human (HEK293, His)

Cat. No.:	HY-P70098
Synonyms:	rHuChymotrypsin-C/CTRC, His; Chymotrypsin-C; Caldecrin; CTCRC; CLCR
Species:	Human
Source:	HEK293
Accession:	Q99895 (C17-L268)
Gene ID:	11330
Molecular Weight:	33-40 kDa

PROPERTIES

AA Sequence	<pre> CGVPSFPPNL SARVVGGEDA RPHSWPWQIS LQYLKNDTWR HTCGGTLIAS NFVLTAAHCI SNTRTYRVAV GKNNLEVEDE EGSLFVGVDT IHVHKRWNAL LLRNDIALIK LAEHVELSDT IQVACLPEKD SLLPKDYPCY VTGWGRLWTN GPIADKLQQG LQPVVDHATC SRIDWWGFRV KKTMVCAGGD GVISACNGDS GGPLNCQLEN GSWEVFGIVS FGSRRGCNTR KKPVVYTRVS AYIDWINEKM QL </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>The CTCRC protein plays a crucial role in the regulation of trypsinogens and procarboxypeptidases by precisely targeting specific cleavage sites within their zymogen precursors, thereby influencing their activation and degradation processes. With its chymotrypsin-type protease activity, CTCRC contributes to the controlled processing of these enzymes. Additionally, it exhibits hypocalcemic activity, suggesting its involvement in calcium homeostasis or signaling pathways. The</p>
------------	---

multifaceted functions of CTRC underscore its significance in modulating key proteolytic events, with implications for various physiological processes and potential relevance in pathological conditions.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA