

CTRL-1 Protein, Human (HEK293, His)

Cat. No.:	HY-P70033
Synonyms:	rHuChymotrypsin-like protease CTRL-1/CTRL-1, His; Chymotrypsin-Like Protease CTRL-1; CTRL; CTRL1
Species:	Human
Source:	HEK293
Accession:	P40313 (C19-N264)
Gene ID:	1506
Molecular Weight:	28-38 kDa

PROPERTIES

AA Sequence	<p> C G I P A I K P A L S F S Q R I V N G E N A V L G S W P W Q V S L Q D S S G F H F C G G S L I S Q S W V V T A A H C N V S P G R H F V V L G E Y D R S S N A E P L Q V L S V S R A I T H P S W N S T T M N N D V T L L K L A S P A Q Y T T R I S P V C L A S S N E A L T E G L T C V T T G W G R L S G V G N V T P A H L Q Q V A L P L V T V N Q C R Q Y W G S S I T D S M I C A G G A G A S S C Q G D S G G P L V C Q K G N T W V L I G I V S W G T K N C N V R A P A V Y T R V S K F S T W I N Q V I A Y N </p>
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, 10% Glycerol, pH 8.0.
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 CTRL-1 Protein is an essential member of the peptidase S1 family, signifying its crucial role as a serine protease enzyme. As part of this enzyme family, CTRL-1 likely shares conserved structural and functional features with related proteins, indicating its involvement in catalyzing the hydrolysis of peptide bonds. The membership in the peptidase S1 family underscores its significance in cellular processes related to proteolysis and the regulation of various biological pathways.</p>
-------------------	--

The study of CTRL-1 provides insights into its specific enzymatic functions within the context of the peptidase S1 family, offering potential applications in therapeutic interventions and a deeper understanding of its broader impact on cellular processes involved in protein metabolism. Further exploration of CTRL-1's role promises to enhance our comprehension of its contributions to normal physiology and 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