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Datasheet for ABIN1096395

Chymotrypsin Protein (CTRL) (AA 19-264) (His tag)

Overview

Quantity:	50 µg
Target:	Chymotrypsin (CTRL)
Protein Characteristics:	AA 19-264
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Chymotrypsin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Chymotrypsin-Like Protease CTRL-1/CTRL (C-6His)
Sequence:	CGIPAIKPAL SFSQRIVNGE NAVLGSWPWQ VSLQDSSGFH FCGGSLISQS WVVTAAHCNV SPGRHFVVLG EYDRSSNAEP LQVLSVSRAI THPSWNSTTM NNDVTLLKLA SPAQYTTRIS PVCLASSNEA LTEGLTCVTT GWGRLSGVGN VTPAHLQQVA LPLVTVNQCR QYWGSSITDS MICAGGAGAS SCQGDSGGPL VCQKGNTWWL IGIVSWGTKN CNVRAPAVYT RVSKFSTWIN QVIAYNVDHH HHHH
Characteristics:	Recombinant Human Chymotrypsin-Like Protease CTRL-1/CTRL (C-6His)
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

Target:	Chymotrypsin (CTRL)
Alternative Name:	Chymotrypsin-Like Protease CTRL-1 (CTRL Products)
Target Type:	Chemical
Background:	<p>Recombinant Human Chymotrypsin-Like Protease CTRL-1/CTRL produced by transfected human cells is a secreted protein with sequence (Ile33-Asn264) of Human CTRL fused with a polyhistidine tag at the C-terminus.</p> <p>Chymotrypsin-Like Protease CTRL-1 is a protease that belongs to the peptidase S1 family. Human CTRL-1 is synthesized as a 264 AA (aa) precursor that contains an 18 aa signal sequence, 15 aa activation peptide and a 231 aa mature chain. CTRL-1 Contains 1 peptidase S1 domain. It has many molecular functions, such as hydrolase, protease, and serine protease. CTRL-1 plays a role in digest and hydrolyze proteins in biological process.</p>
Molecular Weight:	27.15 kDa
UniProt:	P40313

Application Details

Restrictions:	For Research Use only
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Handling

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 ddH2O.</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, 10 % Glycerol, 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 < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months