

Product datasheet

Recombinant Human Chymotrypsin protein ab151677

Description

Product name	Recombinant Human Chymotrypsin protein
Purity	> 95 % SDS-PAGE. ab151677 is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as a 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	HEK 293 cells
Accession	<u>Q99895</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	CGVPSFPPNLSARVVGGEDARPHSWPWQISLQYLKNDT WRHTCGGTLIAS NFVLTAAHCISNTRTYRVAVGKNNLEVEDEEGSLFVGVDTI HVHKRWNAL LLRNDIALIKLAEHVELSDTIQVACLPEKDSLLPKDYPCYVT GWGRLWTN GPIADKLQQGLQPVVDHATCSRIDWWGFRVKKTMVCAG GDGVISACNGDS GGPLNCQLENGSWEVFGVMSFGSRRGCNTRKPKPVVYTRV SAYIDWINEKM QLVDHHHHHH
Predicted molecular weight	29 kDa including tags
Amino acids	17 to 268
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab151677** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE HPLC
Form	Liquid

Additional notes

Biological activity: Not determined. Customer feedback suggests no cleaving ability.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.

pH: 7.5

Constituents: 0.32% Tris HCl, 0.88% Sodium chloride

General Info

Function

Has chymotrypsin-type protease activity and hypocalcemic activity.

Tissue specificity

Pancreas.

Involvement in disease

Variations in CTRC influence susceptibility to chronic pancreatitis [MIM:167800]. Chronic pancreatitis is a persistent inflammatory disorder characterized by permanent destruction of the pancreatic parenchyma.

Sequence similarities

Belongs to the peptidase S1 family. Elastase subfamily.

Contains 1 peptidase S1 domain.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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