

Chymotrypsin from Human, Recombinant

Cat. No. NATE-1890

Lot. No. (See product label)

Introduction

Description

Chymotrypsin is a recombinant serine endopeptidase expressed in E.coli, purified with HPLC, the gene sequence is the same as human chymotrypsin. Recombinant chymotrypsin hydrolyzes at the carboxyl side of aromatic amino acids residues: Tyr, Phe and Trp. Cleavage may also be observed, but at a lower rate, at Leu and Met. Chymotrypsin activity is optimal in pH 7.0-9.0.

Applications

Hydrolysis of proteins by chymotrypsin alone or in combination with other proteases. Suitable for peptide mapping, fingerprinting, and sequence analysis.

Synonyms

EC 3.4.21.1; chymotrypsins A and B; alpha-chymar ophth; avazyme; chymar; chymotest; enzeon; quimar; quimotrase; alpha-chymar; alpha-chymotrypsin A; alpha-chymotrypsin; Chymotrypsin; α -Chymotrypsin

Product Information

Species

Human

Source

E. coli

Form

White lyophilized

EC Number

EC 3.4.21.1

CAS No.

9004-07-3

Molecular Weight

26,950 Da

Purity

> 95% by HPLC

Activity

>1000 unit/mg protein

Optimum pH

7.0-9.0

Unit Definition

One unit will hydrolyze 1.0 μ mole of BTEE per min at pH 7.8 at 25 °C.

Usage and Packaging

Reconstitution

Prepare 1-10mg/ml with 1ml 50mM HAc, used within 2 days, or stored below -20°C after repacked.

Storage and Shipping Information

Storage

Recombinant Chymotrypsin lyophilized should be stored under 2°C-8°C in sealed container. It is stable within 24 months. After dissolved, it should be stored under -20°C.