

Cathepsin L from Human, Recombinant

Cat. No. NATE-1665

Lot. No. (See product label)

Introduction

Description

Cathepsin L (EC 3.4.22.15, Aldrichina grahami cysteine proteinase) is an important lysosomal endopeptidase enzyme which is involved in the initiation of protein degradation. It is a member of the Peptidase C1 family, which play an important role in diverse processes including normal lysosome mediated protein turnover, antigen and proprotein processing, and apoptosis. Cathepsin L has been reported in many organisms including fish, birds and mammals.

Synonyms

Cathepsin L1; Major excreted protein; Cathepsin U; Cathepsin V

Product Information

Species

Human

Source

E. coli

Form

Liquid

EC Number

EC 3.4.22.15

Molecular Weight

24.2 kDa (114-333 aa)

Purity

> 90% by SDS-PAGE

Activity

> 10000 mU/mg

Unit Definition

One unit is digestion of 1 μ mole of Z-Phe-Arg-AFC substrate (K142-100) per minute at 37°C in 50 mM Sodium Acetate, 100 mM NaCl, pH 5.5

Storage and Shipping Information

Storage

Store at -80°C.

Stability

Stable for at least 6 months as supplied. Use as provided or dilute with 50% glycerol to 0.1 mg/ml. Aliquot immediately and store at -80°C. Avoid freeze/thaw cycles.