Creative Enzymes®

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 µmole 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.