

## Cathepsin L from Human, Recombinant

Cat. No. NATE-1665

Lot. No. (See product label)

### Introduction

**Description** Cathepsin L (EC 3.4.22.15, Aldrichina grahmi 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  $\mu$ 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.