

Cathepsin K from Mouse, recombinant

Cat. No. NATE-1704

Lot. No. (See product label)

Introduction

Description

Cathepsin K, a member of the papain cysteine proteinase family is the predominant proteinase responsible for the resorption of the bone matrix. Cathepsin cleaves proteins such as collagen type I, collagen type II and osteonectin, thereby playing a role in bone remodeling and resorption in osteoporosis, osteolytic bone metastasis and rheumatoid arthritis.

Synonyms

CTSK; CTSO; CTSO3; Cathepsin O; Cathepsin O2; Cathepsin X; EC 3.4.22.38

Product Information

Species

Mouse

Source

E. coli

Form

Liquid

EC Number

EC 3.4.22.38

CAS No.

94716-09-3

Molecular Weight

23.4 kDa (115-329 aa)

Purity

> 90% by SDS-PAGE

Activity

>1000 mU/mg

Concentration

0.5 mg/ml

Storage and Shipping Information

Storage

Stable for 6 months at -80°C. Use as provided or dilute to 0.1 mg/ml with 50% glycerol. Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles, as this may lead to the loss in its activity over time.