Creative Enzymes®

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.