

## 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

<b>Species</b>	Mouse
<b>Source</b>	E. coli
<b>Form</b>	Liquid
<b>EC Number</b>	EC 3.4.22.38
<b>CAS No.</b>	94716-09-3
<b>Molecular Weight</b>	23.4 kDa (115-329 aa)
<b>Purity</b>	> 90% by SDS-PAGE
<b>Activity</b>	>1000 mU/mg
<b>Concentration</b>	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.