

Cathepsin K from Human, recombinant

Cat. No. NATE-1705

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 Human

Source E. coli

Form Liquid

EC Number EC 3.4.22.38

CAS No. 94716-09-3

Purity > 95% by SDS-PAGE

Activity >900 mU/mg protein

Unit Definition One unit is defined as the amount of enzyme that will hydrolyze 0.4 μ mol Z-FR-AMC per min at 37°C, pH 5.5.

Storage and Shipping Information

Storage at -80°C. Avoid freeze/thaw