

Native Bovine Cathepsin D

Cat. No. NATE-0171

Lot. No. (See product label)

Introduction

Description Cathepsin D is an endosomal-lysosomal aspartic protease implicated in breast cancer metastasis and Alzheimer's disease. Lysosomal release of cathepsin D has been found to precede cytochrome c release and loss of membrane potential in apoptotic Human foreskin fibroblasts. Cathepsin D levels in PC12 cells increase 12 to 24 hours after apoptosis is induced.

Synonyms CTSD; cathepsin D; 9025-26-7; EC 3.4.23.5; CLN10; CPSD; HEL-S-130P

Product Information

Species Bovine

Source Bovine spleen

Form Lyophilized powder containing Citrate buffer salts

EC Number EC 3.4.23.5

CAS No. 9025-26-7

Molecular Weight 45 kDa

Activity > 2.0 units/mg protein

Pathway Adaptive Immune System, organism-specific biosystem; Collagen degradation, organism-specific biosystem; Lysosome, organism-specific biosystem

Function aspartic-type endopeptidase activity

Unit Definition One unit will produce an increase in A280 of 1.0 per min per mL at pH 3.0 at 37°C measured as TCA-soluble products using hemoglobin as substrate (1 cm light path).