Creative Enzymes®

# Cathepsin B from Human, recombinant

*Cat. No. NATE-1706*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Cathepsin B is a lysosomal cysteine protease. It is implicated in playing a role in protein degradation, arthritis, apoptosis, and cancer. |
| ***Synonyms*** | CTSB; 9047-22-7; APPS; CPSB; cathepsin B1 (obsolete); cathepsin II |

## Product Information

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| ***Species*** | Human |
| ***Source*** | E. coli |
| ***Form*** | Liquid |
| ***EC Number*** | EC 3.4.22.1 |
| ***CAS No.*** | 9047-22-7 |
| ***Molecular Weight*** | 27.8 kDa (80-333 aa) |
| ***Purity*** | > 90% by SDS-PAGE |
| ***Activity*** | >7500 mU/mg |
| ***Concentration*** | 0.5 mg/ml |
| ***Unit Definition*** | 1U = 1 μmole/min digestion of Ac-Arg-ArgAFC substrate. |

## Storage and Shipping Information

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| ***Storage*** | Stable for at least 1 year as supplied. Dilute in de-ionized water to 0.1 mg/ml and store at –80°C. Avoid repeated freezing and thawing cycles. |