

Carboxypeptidase B, Rat Recombinant

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| CATALOG NO: | P1225-1000 1 mg P1225-5000 (5 X 1 mg) P1225-10000 10 mg |
| ALTERNATE NAMES: | Carboxypeptidase R, CPR, Carboxypeptidase U, CPU, TAFI |
| SOURCE: | <i>Pichia pastoris</i> |
| SEQUENCE: | The amino acid sequence of recombinant carboxypeptidase B is identical to rat carboxypeptidase B. |
| PURITY: | >90% by SDS-PAGE. Not contaminated with other proteases such as Chymotrypsin and Carboxypeptidase A |
| MOL. WEIGHT: | 34 kDa |
| FORM: | Lyophilized |
| RECONSTITUTION: | Reconstitute the lyophilized Rat Carboxypeptidase B in sterile H ₂ O. |
| STORAGE CONDITIONS: | Lyophilized Carboxypeptidase B is stable at 4°C. Once reconstituted store at -20°C. For long term storage prepare aliquots and store at -20°C. Avoid repeated freeze-thaw cycles. |
| DESCRIPTION: | Carboxypeptidase B (EC 3.4.17.2) catalyzes hydrolysis of the basic amino acids lysine, arginine and ornithine from the C-terminal end of polypeptides. Carboxypeptidase B is inhibited by arginine, lysine and ornithine. The enzyme is not inhibited by diisopropylfluorophosphate (DFP), but it is inhibited by metal chelating agents, e.g., EDTA, 1,10-phenanthroline. |
| SPECIFIC ACTIVITY: | ≥170 Units/mg. One unit of CPB hydrolyzes one micromole of hippuryl-L-arginine per minute at 25°C, pH-7.7 |

RELATED PRODUCTS:

- Carboxypeptidase A4, human recombinant (**Cat. No. P1034**)
- Carboxypeptidase A2 (CPA2) Antibody (**Cat. No. 3816**)
- Carboxypeptidase A1 (CPA1) Antibody (**Cat. No. 3825**)
- Carboxypeptidase A2 (CPA2) Blocking Peptide (**Cat. No. 3816BP**)
- Carboxypeptidase A1 (CPA1) Blocking Peptide (**Cat. No. 3825BP**)

FOR RESEARCH USE ONLY! Not to be used on humans.