

DATA SHEET**Baker's yeast (*S. cerevisiae*) Carboxypeptidase Y, recombinant**

Code Number#KTNATE-0103-08

Description	Carboxypeptidase Y (CPY) catalyzes the following reaction: Peptidyl-L-amino acid + H ₂ O -----> Peptide + L-amino acid. It is prepared according to the method of Moore & Stein (J. Biol Chem, 211, 907, 1954). It resembles Carboxypeptidase A in its substrate specificity, but it hydrolyzes C-terminal glycine and L-leucine more rapidly and L-phenylalanine more slowly.
Synonyms:	carboxypeptidase Y; serine carboxypeptidase I; cathepsin A; lysosomal protective protein; deamidase; lysosomal carboxypeptidase A; phaseolin; EC 3.4.16.5; 9046-67-7; Peptidyl-L-amino acid Hydrolase; Serine Carboxypeptidase; Carboxypeptidase C; Peptidyl-L-amino-acid (-L-proline) hydrolase; EC 3.4.12.8
Species:	<i>S. cerevisiae</i>
Appearance:	Clear, colorless to lightly colored
Form:	500 mM sodium chloride, 500 mM imidazole, 20 mM sodium phosphate monobasic, 20 mM sodium phosphate dibasic, pH 7.5
EC Number:	EC3.4.16.1
Purity:	> 90 %
Activity:	> 10u/mg
Concentration:	about 0.1 mg/mL
Unit Definition:	One unit of enzyme activity is defined as that amount of enzyme that catalyzes the hydrolysis of 1 micromole of substrate per minute.
Storage:	Long term below -20°C, short term 2-8°C. Avoid multiple freeze-thaws.

For In-Vitro Diagnostic Use only. Not for human or animal consumption.