



Recombinant Rat Carboxypeptidase Z (Cpz)

Product Code	CSB-EP005931RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O54858
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	AYPSCSPGPD PSGKCQRLAS THSATCVDLH LRTCADAAYN HTSFPTPLEH RSWEAVEASP EYTLGVLHF LLEGQCNPD LRLGCSVLAP RCQGGHTQRP CRRVCEGLRE ACQPAFDAID MAWPYFLDCT QYFAPEEEGC YDPLEQLRGE LDVEEALPSG LPPTFIRFAH HSYAQMVRVL KRTAARCSQV AKTYSIGRSF EGKDLVVEF SSRPGQHELM EPEVKLIGNI HGNEVAGREI LIYLAQYLCS EYLLGNPRIQ RLLNTTRIHL LPSMNP DGYE VAAAEGAGYN GWTSGRQNAQ NLDLNRNFPD LTSEYYRLAS TRGVRTDHIP ISQYYWWGKV APETKAIMKW IQTIPFVLSA SLHGGDLVVS YPFDFSKHPH EEKMFSP TPD EKMFKLLARA YADVHPMMMD RSENRCGGNF LKRGSINGA DWYSFTGGMS DFNYLHTNCF EITVELGCVK FPPEEALYGL WQHNKEPLL FLEMVHRGIK GVVTDKYGKP VKNARILVKG IRHDVTTAPD GDYWRLPPG SHIVIAQAPG YSKVMKRVTI PLRMKRAGRV DFILQPLGTG PKNFLPGPSR ALPRSLDPQG APAQLDFEPP RARRQPASGS KPWWWAYFTS LSPHKPRWLL KY
Source	E.coli
Target Names	Cpz
Protein Names	Recommended name: Carboxypeptidase Z Short name= CPZ EC= 3.4.17.-
Expression Region	21-652
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a member of the metallo-carboxypeptidase family. This enzyme displays carboxypeptidase activity towards substrates with basic C-terminal residues. It is most active at neutral pH and is inhibited by active site-directed inhibitors of metallo-carboxypeptidases. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.