



# Recombinant Rat Carboxypeptidase Z (Cpz)

<b>Product Code</b>	CSB-MP005931RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O54858
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AYPSCSPGPD PSGKCQRLAS THSATCVDLH LRTCADAAYN HTSFPTPLEH RSWEAVEASP EYTLGVLHF LLEGQCNPD LLLGCSVLAP RCQGGHTQRP CRRVCEGLRE ACQPAFDAID MAWPYFLDCT QYFAPEEEGC YDPLEQLRGE LDVEEALPSG LPPTFIRFAH HSYAQMVRVL KRTAARCSQV AKTYSIGRSF EGKDLVIEF SSRPGQHELM EPEVKLIGNI HGNEVAGREI LIYLAQYLCS EYLLGNPRIQ RLLNTRIHL LPSMNPDGYE VAAAEGAGYN GWTSGRQNAQ NLDLNRNFPD LTSEYYRLAS TRGVRTDHIP ISQYYWWGKV APETKAIMKW IQTIPFVLSA SLHGGDLVVS YPFDFSKHPH EEKMFSPTPD EKMFKLLARA YADVHPMMMD RSENRCGGNF LKRGSIIINGA DWYSFTGGMS DFNYLHTNCF EITVELGCVK FPPEEALYGL WQHNKEPLN FLEMVHRGIK GVVTDKYGKP VKNARILVKG IRHDVTTAPD GDYWRLPPG SHIVIAQAPG YSKVMKRVTI PLRMKRAGRV DFILQPLGTG PKNFLPGPSR ALPRSLDPQG APAQLDFEPP RARRQPASGS KPWWWAYFTS LSPHKPRWLL KY
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Cpz
<b>Protein Names</b>	Recommended name: Carboxypeptidase Z Short name= CPZ EC= 3.4.17.-
<b>Expression Region</b>	21-652
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.