



# Recombinant Human Carboxypeptidase Z (CPZ)

<b>Product Code</b>	CSB-BP005931HU
<b>Abbreviation</b>	CPZ
<b>Storage</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.
<b>Uniprot No.</b>	Q66K79
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	RP GCEFERNPAG ECHRPPAADS ATCVDLQLRT CSDAAYNHTT FPNLLQHRWS EVVEASSEYI LLSVLHQLLE GQCNPDRLRL GCAVLAPRCE GGWVRRPCRH ICEGLREVCQ PAFDAIDMAW PYFLDCHRYF TREDEGCYDP LEKLRGGLEA DEALPSGLPP TFIRFSHHSY AQMVRVLRRT ASRCAHVART YSIGRSFDGR ELLVIEFSSR PGQHELMEPE VKLIGNIHGN EVAGREMLIY LAQYLCSEYL LGNPRIQRL NTRIHLPS MNPDGYEVAA AEGAGYNGWT SGRQNAQNLD LNRNFPDLTS EYYRLAETRG ARSDHIPIQ HYWWGKVAPE TKAIMKWMQT IPFVLSASLH GGDLVVSYPF DFSKHPQEEK MFSPTPDEKM FKLLSRAYAD VHPMMMDRSE NRCGGNFLKR GSIINGADWY SFTGGMSDFN YLHTNCFEIT VELGCVKFPP EEALYILWQH NKESLLNFVE TVHRGIKGVV TDKFGKPVKN ARISVKGIRH DITTAPDGDY WRLLPPGIHI VIAQAPGYAK VIKKVIIPAR MKRAGRVDI LQPLGMGPKN FIHGLRRTGP HDPLGGASSL GEATEPDPLR ARRQPSADGS KPWWWSYFTS LSTHRPRWLL KY
<b>Source</b>	Baculovirus
<b>Target Names</b>	CPZ
<b>Protein Names</b>	Recommended name: Carboxypeptidase Z Short name= CPZ EC= 3.4.17.-
<b>Expression Region</b>	19-652
<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 metalloproteinase 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 metalloproteinases. 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.

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