



Recombinant Human Carboxypeptidase Z (CPZ)

Product Code	CSB-EP005931HU-B
Abbreviation	CPZ
Storage	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.
Uniprot No.	Q66K79
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	RP GCEFERNPAG ECHRPPAADS ATCVDLQLRT CSDAAYNHTT FPNLLQHRSW EVVEASSEYI LLSVLHQLLE GQCNPDRLRL GCAVLAPRCE GGWVRRPCRH ICEGLREVCQ PAFDAIDMAW PYFLDCHRYF TREDEGCYDP LEKLRGGLEA DEALPSGLPP TFIRFSHHSY AQMVRVLRRT ASRCAHVART YSIGRSFDGR ELLVIEFSSR PGQHELMEPE VKLIGNIHGN EVAGREMLIY LAQYLCSEYL LGNPRIQRL NTRIHLLPS MNPDGYEVAA AEGAGYNGWT SGRQNAQNLD LNRNFPDLTS EYYRLAETRG ARSDHIPIQ HYWWGKVAPE TKAIMKWMQT IPFVLSASLH GGDVVSYYP 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
Source	E.coli
Target Names	CPZ
Protein Names	Recommended name: Carboxypeptidase Z Short name= CPZ EC= 3.4.17.-
Expression Region	19-652
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

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