

Recombinant Human CPZ, His-tagged

Cat. No. CPZ-11548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPZ protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	303-652a.a.
Description	This gene encodes a member of the metallocarboxypeptidase 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 metallocarboxypeptidases. Alternative splicing in the coding region results in multiple transcript variants encoding different isoforms.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	CPZ carboxypeptidase Z [Homo sapiens]
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Official Symbol	CPZ
Synonyms	CPZ; carboxypeptidase Z; metalloproteinase Z; MGC99682;
Gene ID	8532
mRNA Refseq	NM_001014447
Protein Refseq	NP_001014447
MIM	603105
UniProt ID	Q66K79
Chromosome Location	4p16.1
Function	metal ion binding; metalloproteinase activity; metalloproteinase activity; peptidase activity; zinc ion binding;

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