

## Active Recombinant Human CPE, His-tagged

Cat. No. CPE-723H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CPE (Accession # NP_001864) Arg42-Ser453, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	42-453 a.a.
<b>Predicted N Terminal</b>	Arg42
<b>Form</b>	Supplied as a 0.2 µm filtered solution in MES and NaCl.
<b>Bio-activity</b>	Measured by its ability to cleave a peptide substrate, benzoyl-AR-OH. The product, Arg, is reacted with ortho-phthaldialdehyde (OPA) to form a fluorescent molecule. The specific activity is >12,000 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human CPE, His-tagged has a calculated MW of 47 kDa. In SDS-PAGE migrates as 57 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	CPE carboxypeptidase E [ Homo sapiens ]
<b>Official Symbol</b>	CPE
<b>Synonyms</b>	CPE; carboxypeptidase E; carboxypeptidase H; cobalt stimulated chromaffin granule carboxypeptidase; enkephalin convertase; insulin granule associated carboxypeptidase; CPH; prohormone-processing carboxypeptidase; insulin granule-associated carboxypeptidase; cobalt-stimulated chromaffin granule carboxypeptidase;
<b>Gene ID</b>	1363
<b>mRNA Refseq</b>	NM_001873
<b>Protein Refseq</b>	NP_001864
<b>MIM</b>	114855
<b>UniProt ID</b>	P16870
<b>Chromosome Location</b>	4q32.3

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