Active Recombinant Human CPE, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Mammalian Cells
ProteinLength	42-453 a.a.
Predicted N Terminal	Arg42
Form	Supplied as a 0.2 μm filtered solution in MES and NaCl.
Bio-activity	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/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human CPE, His-tagged has a calculated MW of 47 kDa. In SDS-PAGE migrates as 57 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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GENE INFORMATION

Gene Name	CPE carboxypeptidase E [Homo sapiens]
Official Symbol	CPE
Synonyms	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;
Gene ID	1363
mRNA Refseq	NM_001873
Protein Refseq	NP_001864
MIM	114855
UniProt ID	P16870
Chromosome Location	4q32.3

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