

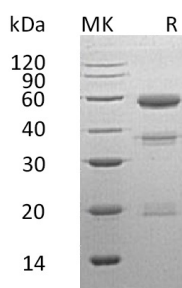
Product Name: Recombinant Human CPE (C-6His)
Catalog #: PHH0230



概述 (Summary)

英文全称	Carboxypeptidase E/CPE
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Carboxypeptidase E is produced by our Mammalian expression system and the target gene encoding Arg42-Ser453 is expressed with a 6His tag at the C-terminus.
Accession #	P16870
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	47.2 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM PB, 500mM NaCl, 0.05% Tween80, 250mM Glycine, 2mM EDTA, 50mM L-Arg, pH6.5.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	Carboxypeptidase E(CPE for short); Carboxypeptidase H; Enkephalin
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背景介绍 (References)

convertase; Prohormone-processing carboxypeptidase

The active form of CPE cleaves C-terminal amino acid residues of the peptide, and is thus involved in the biosynthesis of peptide hormones and neurotransmitters including insulin, enkephalin, etc. It is thought that membrane-associated CPE acts as a sorting receptor for targeting regulated secretory proteins which are mostly prohormones and neuropeptides in the trans-Golgi network of the pituitary and in secretory granules into the secretory pathway. Defects in this protein are implicated in type II diabetes due to impaired glucose clearance and insulin resistance.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.