



本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

CPE, 43-476aa Human, His tag, E.coli

产品货号: TP01697

第三版

别名: Carboxypeptidase E, Carboxypeptidase H, CPH

**描述:** CPE is a carboxypeptidase that cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. It is a peripheral membrane protein. The protein specifically binds regulated secretory pathway proteins, including prohormones, but constitutively secreted proteins. Mutations in CPE are implicated in type II diabetes. Recombinant human CPE protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**分子量:** 51.4 kDa (457aa)

**序列:**

MGSSHHHHHHSSGLVPRGSHMGSLQQEDGISFEYHRYPELREALVSVWLQCTAISRIYTVGRSFEGRELLVIELSDNPGVH  
EPGEPEFKYIGNMHGNEAVGRELLIFLAQYLCNEYQKGNETIVNLIHSTRIHIMPSLNPDGFEKAASQPGELKDWVGRSN  
AQQIDLNRNFPDLDRIVYVNEKEGGPNNHLLKNMKKIVDQNTKLAPETKAVIHWIMDIPFVLSANLHGGDLVANYPYDE  
TRSGSAHEYSSPDDAIFQSLARAYSSFNPAMSDPNRPPCRKNDDSSFVDGTTNGGAWYSVPGGMQDFNYLSSNCFEITV  
ELSCEKFPPEETLKTYWEDNKNSLISYLEQIHRGVKGFVRDLQGNPIANATISVEGIDHDVTSKDG DYWRLLIPGNYKLTA  
SAPGYLAITKKVAVPYSPAAGVDFELESFSEKKEEKEELMEWWKMMSETLNF

**纯度:** > 95% by HPLC

**浓度:** 0.5 mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.