

Carboxypeptidase-E Human Recombinant

Item Number	rAP-1472
Synonyms	Carboxypeptidase E, Carboxypeptidase H, CPH, CPE, CPE Human, Enkephalin convertase, Prohormone-processing carboxypeptidase.
Description	CPE Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 457 amino acids (43-476 a.a.) and having a molecular mass of 51.4kDa. CPE is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P16870
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSLQQEDGI SFEYHRYPEL REALVSVWLQ CTAISRIYTV GRS-FEGRELL VIELSDNPGV HEPGEPEFKY IGNMHGNEAV GRELLIFLAQ YLCNEYQKGN ETIVNLIHST RIHIMP SLNP DGFEKAASQP GELKDWVFGV SNAQGIDLNR NFPDLDRIVY VNEKEGGPNN HLLKNMK-KIV DQNTKLAPET KAVIHWIMDI PFVLSANLHG GDLVANYPYD ETRSGSAHEY SSSPDDAIFQ SLARAYSSFN PAMSDPNRPP CRKNDDDDSSF VDGTTNGGAW YSVPGGMQDF NYLSSNCFEI TVELSCEKFP PEETLKTYWE DNKNLSISYL EQIHRGVKGF VRDLQGNPIA NATISVEGID HDVTS AKDGD YWRLIPGNY KLTASAPGYL AITKKVAVPY SPAAGVDFEL ESFSERKEEE KEELMEWWKM MSETLNF.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	CPE protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**