

Recombinant Human CPE Protein

Catalog #	Source	Reactivity	Applications
CRP1336	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CPE Protein is produced by our mammalian expression system and the target gene encoding Arg42-Ser453 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM ZnCl ₂ , 10% Glycerol, pH 7.5.		
Gene Symbol	CPE		
Alternative Names	Carboxypeptidase E; CPE; Carboxypeptidase H; CPH; Enkephalin convertase; Prohormone-processing carboxypeptidase		
Entrez Gene	1363 (Human)		
SwissProt	P16870 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	RLQQEDGISF EYHRYPELRE ALVSVWLQCT AISRIYTVGR SFEGRELLVI ELSDNPGVHE PGEPEFKYIG NMHGNEAVGR ELLIFLAQYL CNEYQKGNET IVNLIHSTRI HIMPSLNPDG FEKAASQPGE LKDWVFGSRN AQGIDLNRNF PDLDRIVYVN EKEGGPNNHL LKNMCKIVDQ NTKLAPETKA VIHWIMDIPF VLSANLHGGD LVANYPYDET RSGSAHEYSS SPDDAIFQSL ARAYSSFNPA MSDPNRPPCR KNDDSSFVD GTTNGGAWYS VPGGMQDFNY LSSNCFEITV ELSCEKFPPE ETLKTYWEDN KNSLISYLEQ IHRGVKGFVR DLQGNPIANA TISVEGIDHD VTSAKDGDYW RLLIPGNYKL TASAPGYLAI TTKVAVPYSP AAGVDFELES FSVDHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be		
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference		
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish		

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Product Data Sheet

aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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