

Recombinant Human CPA2 Protein

Catalog #	Source	Reactivity	Applications
CRP1330	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CPA2 Protein is produced by our Mammalian expression system and the target gene encoding Leu17-Tyr417 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.		
Gene Symbol	CPA2		
Alternative Names	Carboxypeptidase A2		
Entrez Gene	1358 (Human)		
SwissProt	P48052 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	<p>LETFVGDQVL EIVPSNEEQI KNLLQLEAQE HLQLDFWKSP TTPGETAHVR VPVNVQAVK VFLGSQGIAY SIMIEDVQVL LDKENEEMLF NRRRERSGNF NFGAYHTLEE ISQEMDNLVA EHPGLVSKVN IGSSFENRPM NVLKFSTGGD KPAIWLDAGI HAREWVTQAT ALWTANKIVS DYGKDPSITS ILDALDIFLL PVTNPDGYVF SQTKNRMWRK TRSKVSGSLC VGVDPNRNWD AGFGGPGASS NPCSDSYHGP SANSEVEVKS IVDFIKSHGK VKAFITLHSY SQLLMFPYGY KCTKLDDFDE LSEVAQKAAQ SLRSLHGTKY KVGPICSVIY QASGGSIDWS YDYGIKYSFA FELRDTGRYG FLLPARQILP TAEETWLGLK AIMEHVRDHP YVDHHHHHH</p>		
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. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

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

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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