

Product Data Sheet

Recombinant Mouse CPQ Protein

Catalog #	Source	Reactivity	Applications
CRP1340	Human cells	M	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse CPQ Protein is produced by mammalian expression system and the target gene encoding Lys19-Ser470 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	CPQ		
Alternative Names	Hls2; Pgcp; Carboxypeptidase Q; Hematopoietic lineage switch 2; Plasma glutamate carboxypeptidase		
Entrez Gene	54381 (Mouse)		
SwissProt	Q9WVJ3 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	KAVFKNGVSQ RTFREIKEEI ANYEDVAKAI INLAVYGKYQ NRSYERLGLL VDTVGPRLSG SKNLEKAIQI MYQNLQQDGL ENVHLEQVRI PHWERGEESA VMLEPRIHKM AILGLGSSIG TPPGGITA EV LVVASFDELQ RRASEARGKI IVYNQPYTGY EKTQYRVVQG AVEAAKVGAV ASLIQSVASF SIYSPHTGIQ KYQDGVKIP TACITVEDAE MMSRMASRGN KIVIHLEMGA KTYPDTDSFN TVAEITGSMY PEEVVLVSGH LDSWDVGQGA LDDGGGAFIS WEALSLVKDL GLRPKRTLRL VLWTAEEQGG IGASQYYELH KANISKYSLV MEADSGTFLP TGLQFTGSDK ARAIMKEVMN LLQPLNVTKV FSNGEGTDIN FWIQAGVPGA SLRDDLYKYF FFHSHSGDTM TVMDPKQMNV AAVWAVVAY VVADMDMLP RSVDDHHHHHH		
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. Please aliquot		

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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the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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