

## Recombinant Human PIP4K2A Protein

Catalog #	Source	Reactivity	Applications
CRP2107	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human PIP4K2A Protein is produced by our mammalian expression system and the target gene encoding Met1-Thr406 is expressed with a 6His tag at the C-terminus.

**Form** Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Gene Symbol** PIP4K2A

**Alternative Names** PIP5K2; PIP5K2A; Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha; 1-phosphatidylinositol 5-phosphate 4-kinase 2-alpha; Diphosphoinositide kinase 2-alpha; PIP5KIII; Phosphatidylinositol 5-phosphate 4-kinase type II alpha; PI(5P 4-kinase type II alph

**Entrez Gene** 5305 (Human)

**SwissProt** P48426 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** MATPGNLGSS VLASKTKTKK KHVFAQKVKL FRASDPLLSV LMWGVNHSIN ELSHVQIPVM LMPDDFKAYS KIKVDNHLFN KENMPSHFKF KEYCPMVFRN LRERFGIDDQ DFQNSLTRSA PLPNDSQARS GARFHTSYDK RYIIKTITSE DVAEMHNILK KYHQYIVECH GITLLPQFLG MYRLNVDGVE IYVIVTRNVF SHRLSVYRKY DLKGSTVARE ASDKEKAKEL PTLKDNDFIN EGQKIYIDDN NKKVFLEKLG KDVEFLAQLK LMDYSLLVGI HDVERAEQEE VECEENDGEE EGESDGTTPV GTPPDSPGNT LNSSPPLAPG EFDPNIDVYG IKCHENSPRK EYVFMAIIDL LTHYDAKKKA AHAAKTVKHG AGAEISTVNP EQYSKRFLDF IGHILTVDHH HHHH

**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

**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

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.

## 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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