

Recombinant Human PI4KB Protein

Catalog #	Source	Reactivity	Applications
CRP2101	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human PI4KB Protein is produced by our Mammalian expression system and the target gene encoding Met1-Met801 is expressed with a 6His tag at the C-terminus.
Form	Liquid in a 0.2 μM filtered solution of 25mM Tris-HCl, 100mM glycine, 10% Glycerol, pH 7.3.
Gene Symbol	PI4KB
Alternative Names	PIK4CB; Phosphatidylinositol 4-kinase beta; PI4K-beta; PI4Kbeta; PtdIns 4-kinase beta; NPIK; PI4K92
Entrez Gene	5298 (Human)
SwissProt	Q9UBF8 (Human)
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Chemical Structure	MGDTVVEPAP LKPTSEPTSG PPGNNGGSSL SVITEGVGEL SVIDPEVAQK ACQEVLEKVK LLHGGVAVSS RGTPLELVNG DGDVSEIRCL DDPPAQIREE EDEMGAAVAS GTAKGARRRR QNNSAKQSWL LRLFESKLF D ISMAISYLYN SKEPGVQAYI GNRLFCFRNE DVDFYLPQLL NMYIHMDDEDV GDAIKPYIVH RCRQSINFSL QCALLLGAYS SDMHISTQRH SRGTKLRKLI LSDELKPAHR KRELPSLSPA PDTGLSPSKR THQRSKSDAT ASISLSSNLK RTASNPKVEN EDEPVRLAPE REFIKSLMAI GKRLATLPTK EQKTQRLISE LLLNHKLPA RVWLPTAGFD HHVVRVPHQT AVVLNSKDKA PYLIYVEVLE CENFDTSVP ARIPENRIRS TRSVENLPEC GITHEQRAGS FSTVPNYDND DEAWSVDDIG ELQVELPEVH TNSCDNISQF SVDSITSQES KEPVFIAAGD IRRRLSEQLA HTPTAFKRDP EDPSAVALKE PWQEKVRRIR EGSPYGHLPN WRLLSVIVKC GDDLRLQELLA FQVLKQLQSI WEQERVPLWI KPYKILVISA DSGMIPEVVN

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

AVSIHQVKKQ SQLSLLDYFL QEHGSYTTEA FLSAQRNFVQ SCAGYCLVCY LLQVKDRHNG
NILLDAEGHI IHIDFGFELS SSPRNLFET SAFKLTTEFV DVMGGLDGDM FNYYKMLMLQ
GLIAARKHMD KVVQIVEIMQ QGSQLPCFHG SSTIRNLKER FHMSMTEEQL QLLVEQMVDG
SMRSITTKLY DGFQYLTNGI MVDHHHHHH

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 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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