

Recombinant Human CAMK2B Protein

Catalog #	Source	Reactivity	Applications
CRP1171	E. coli	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human CAMK2B Protein is produced by our E. coli expression system and the target gene encoding Met1-Gln503 is expressed with a 6His tag at the C-terminus.
Form	Liquid in a 0.2 μ M filtered solution of 10mM HEPES, 150mM NaCl, pH 7.5.
Gene Symbol	CAMK2B
Alternative Names	CAM2; CAMK2; CAMKB; Calcium/calmodulin-dependent protein kinase type II subunit beta; CaM kinase II subunit beta; CaMK-II subunit beta
Entrez Gene	816 (Human)
SwissProt	Q13554 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	MATTVTCTRF TDEYQLYEDI GKGAFSVVRR CVKLCTGHEY AAKIINTKKL SARDHQKLER EARICRLLKH SNIVRLHDSI SEEGFHLYLVF DLVTGGELFE DIVAREYYSE ADASHCIQQI LEAVLHCHQM GVVHRDLKPE NLLASKCKG AAVKLADFGL AIEVQGDQQA WFGFAGTPGY LSPEVLRKEA YGKPVDIWAC GVILYILLVG YPPFWDEDQH KLYQQIKAGA YDFPSPEWDT VTPEAKNLIN QMLTINPAKR ITAHEALKHP WVCQRSTVAS MMHRQETVEC LKKFNARRKL KGAILTTMLA TRNFSAKSL LNKKADGVKP QTNSTKNSAA ATSPKGTLP AALESSDSAN TTIEDEDAKA RKQEIITTE QLIEAVNNGD FEAYAKICDP GLTSFEPEAL GNLVEGMDFH RFYFENLLAK NSKPIHTTIL NPHVHVIGED AACIAYIRLT QYIDGQGRPR TSQSEETRVW HRRDGKWQNV HFHCSGAPVA PLQLEHHHHH H
Quality Control	Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) 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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