

## Recombinant Human CAMK2A protein, His-tagged

Cat. No. CAMK2A-3395H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CAMK2A protein(1-271 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-271 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	MATITCTRFTEEYQLFEELGKGAFSVVRRRCVKVLAGQEYAAKIINTKKLSARDHQKLE REARICRLLKHPNIVRLHDSISEEGHHYLIFDLVTGGELFEDIVAREYYSEADASHCIQ QILEAVLHCHQMGGVHRDLKPENLLLASKLKGA AVKLADFG LAIEVEGEQQAWFGFA GTPGYLSPEVLRKDPYGKPVLDLWACGVILYILLVGYPFWDEDQHRLYKQIKAGAYD FPSPEWDTVTPEAKDLINKMLTINPSKRITAAEALKHPWI
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution**      Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name**      [CAMK2A calcium/calmodulin-dependent protein kinase II alpha \[ Homo sapiens \]](#)

**Official Symbol**      [CAMK2A](#)

**Synonyms**      CAMK2A; calcium/calmodulin-dependent protein kinase II alpha; calcium/calmodulin dependent protein kinase (CaM kinase) II alpha , CAMKA; calcium/calmodulin-dependent protein kinase type II subunit alpha; calcium/calmodulin dependent protein kinase II alpha B subunit; calcium/calmodulin dependent protein kinase type II alpha chain; CaM kinase II alpha subunit; CaM kinase II alpha chain; CaMK II alpha subunit; CaMKIINalpha; KIAA0968; CaMK-II alpha subunit; caMK-II subunit alpha; CaM-kinase II alpha chain; caM kinase II subunit alpha; calcium/calmodulin-dependent protein kinase II alpha-B subunit; calcium/calmodulin-dependent protein kinase type II alpha chain; calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha; CAMKA;

**Gene ID**      [815](#)

**mRNA Refseq**      [NM\\_015981](#)

**Protein Refseq**      [NP\\_057065](#)

**MIM**      [114078](#)

**UniProt ID**      [Q9UQM7](#)

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA