

Recombinant Human CAMK2A protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human CAMK2A protein(1-271 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-271 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MATITCTRFTEEYQLFEELGKGAFSVVRRCKVLAGQEYAAKIINTKKLSARDHQKLE REARICRLLKHPNIVRLHDSISEEGHHYLIFDLVTGGELFEDIVAREYYSEADASHCIQ QILEAVLHCHQMGGVHRDLKPENLLLASKLKGA AVKLADFGLAIEVEGEQQAWFGFA GTPGYLSPEVLRKDPYGKPVLDLWACGVILYILLVGYPFWDEDQHRLYKQIKAGAYD FPSPEWDTVTPEAKDLINKMLTINPSKRITAAEALKHPWI
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.

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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.
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GENE INFORMATION

Gene Name	CAMK2A calcium/calmodulin-dependent protein kinase II alpha [Homo sapiens]
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Official Symbol	CAMK2A
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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;
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Gene ID	815
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mRNA Refseq	NM_015981
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Protein Refseq	NP_057065
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MIM	114078
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UniProt ID	Q9UQM7
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