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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CAMK2A (Human) Recombinant Protein (P01)

Catalog Number: H00000815-P01

Regulation Status: For research use only (RUO)

Product Description: Human CAMK2A full-length ORF (AAH40457.1, 1 a.a. - 478 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATITCTRFTEEYQLFEELGKGAFSVVRRRCVKVLAGQ
EYAAKIINTKKLSARDHQKLEREARICRLLKHPNIVRLH
DSISEEGHHYLIFDLVTGGELFEDIVAREYYSEADASHC
IQQILEAVLHCHQMGGVVRDLKPENLLLASKLKGAAVK
LADFLAIEVEGEQQAWFGFAGTPGYLSPEVLRKDPY
GKPVDLWACGVILYILLVGYPFWDEDQHRLYKQIKAG
AYDFPSPEWDTVTPEAKDLINKMLTINPSKRITAAEALK
HPWISHRSTVASCMSHRQETVDCLKKFNARRKLGAIL
TTMLATRNFSGGKSGGNKSDGVKESSESTNTTIEDE
DTKVRKQEIIVTEQLIEAISNGDFESYTKMCDPGMTAF
EPEALGNLVEGLDFHRFYFENLWSRNSKPVHTTILNPH
IHLMGDESACIAYIRITQYLDAGGIPRTAQSEETRVWHR
RDGKWQIVHFHRSGAPSVLPH

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 78.32

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 815

Gene Symbol: CAMK2A

Gene Alias: CAMKA, KIAA0968

Gene Summary: The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]