

Recombinant Human CAMK1G protein, His-tagged

Cat. No. CAMK1G-10680H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CAMK1G protein(1-320 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-320 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.
AASequence	MGRKEEDDCSSWKKQTTNIRKTFIFMEVLGSGAFSEVFLVKQRLTGKLFALKCIKKS PAFRDSSLENEIAVLKKIKHENIVTLEDIYESTTHYYLVMQLVSGGELFDRILERGYYT EKDASLVIQQVLSAVKYLHENGIVHRDLKPENLLYLTPEENSKIMITDFGLSKMEQNGI MSTACGTPGYVAPEVLAQKPYSKAVDCWSIGVITYILLCGYPPFYEETESKLFEKIKE GYEFESPFWDDISESAKDFICHILLEKDPNERYTCEKALSHPWIDGNTALHRDIYPSV SLQIQKNFAKSKWRQAFNAAVHHMRKL
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name CAMK1G calcium/calmodulin-dependent protein kinase IG [Homo sapiens]

Official Symbol CAMK1G

Synonyms CAMK1G; calcium/calmodulin-dependent protein kinase IG; calcium/calmodulin-dependent protein kinase type 1G; CLICKIII; dJ272L16.1; VWS1; caMKIG; CLICK III; caMKI gamma; caM-KI gamma; caM kinase IG; caM kinase I gamma; caMK-like CREB kinase III;

Gene ID 57172

mRNA Refseq NM_020439

Protein Refseq NP_065172

UniProt ID Q96NX5

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