

Product datasheet for TP318464L

CaMKI (CAMK1) (NM_003656) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human calcium/calmodulin-dependent protein kinase I (CAMK1), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC218464 representing NM_003656 Red=Cloning site Green=Tags(s) |

MLGAVEGPRWKQAEDIRDIYDFRDVLTGTGAFSEVILAEDKRTQKLVAIKCIAKEALEGKEGSMENEIAVL
HKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEKGFYTERDASRLIFQVLDAVKYLHDLGIVHR
DLKPENLLYSLDEDSKIMISDFGLSKMEDPGSVLSTACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAYI
LLCGYPPFYDENDAKLFEQILKAEYEFDSPYWDDISDSAKDFIRHLMKDPKRFTEQALQHPWIAGDT
ALDKNIHQSVSEQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQEGQGQTASHGELLTPVAGGPAAGCC
CRDCCVEPGTELSPTLPHQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 41.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003647 |
| Locus ID: | 8536 |



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UniProt ID: [Q14012](#), [B0YIY3](#)

RefSeq Size: 1501

Cytogenetics: 3p25.3

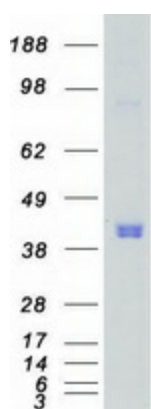
RefSeq ORF: 1110

Synonyms: CAMKI

Summary: Calcium/calmodulin-dependent protein kinase I is expressed in many tissues and is a component of a calmodulin-dependent protein kinase cascade. Calcium/calmodulin directly activates calcium/calmodulin-dependent protein kinase I by binding to the enzyme and indirectly promotes the phosphorylation and synergistic activation of the enzyme by calcium/calmodulin-dependent protein kinase I kinase. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified CAMK1 protein (Cat# [TP318464]). The protein was produced from HEK293T cells transfected with CAMK1 cDNA clone (Cat# [RC218464]) using MegaTran 2.0 (Cat# [TT210002]).