

## Product datasheet for **TP318801L**

### CAMK2D (NM\_172115) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcium/calmodulin-dependent protein kinase II delta (CAMK2D), transcript variant 4, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218801 representing NM_172115 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASTTTCTRFTDEYQLFEELGKGAFSVVRRCKIPTGQEYAAKIINTKCLSARDHQKLEREARICRLLKH  
PNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYSEADASHCIQQILESVDNHCHLNGIVHRDLKPE  
NLLASKSKGA AVKLADFLAIEVQGDQQA WFGAGTPGYLSPEVLRKDPYKGPVDMWACGVILYILLV  
YPPFWEDEDQHRLYQQIKAGAYDFPSPEWDTVTPEAKDLINKMLTINPAKRITASEALKHPWICQRSTVAS  
MMHRQETVDCLKKFNARRKLGAILTTMLATRNFSAAKSLKKPDGVKESTESSNTTIEDVDKARKQEI  
IKVTEQLIEAINNGDFEAYTKICDPGLTAFEPEALGNLVEGMDFHRFYFENALSKSNKPIHTIILNPHVH  
LVGDDAACIAYIRLTQYMDGSGMPKTMQSEETRVWHRRDGKWQNVHFHRS GSPTVPIK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	53.9 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.



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RefSeq: [NP\\_742113](#)

Locus ID: 817

UniProt ID: [Q13557](#), [A8MVS8](#)

RefSeq Size: 2151

Cytogenetics: 4q26

RefSeq ORF: 1434

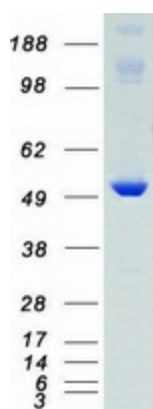
Synonyms: CAMKD

**Summary:** The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008]

**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Calcium signaling pathway, ErbB signaling pathway, Glioma, GnRH signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Wnt signaling pathway

### Product images:



Coomassie blue staining of purified CAMK2D protein (Cat# [TP318801]). The protein was produced from HEK293T cells transfected with CAMK2D cDNA clone (Cat# [RC218801]) using MegaTran 2.0 (Cat# [TT210002]).