

## Product datasheet for **TP306389M**

### CaMKK (CAMKK1) (NM\_172207) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206389 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEGGPAVCCQDPRAELVERVAAIDVTHLEEDGGPEPTRNGVDPPPRARAASVIPGSTRLLPARPSLSA  
RKLSLQERPAGSYLEAQAGPYATGPASHISPRAWRRPTIESHHVAISDAEDCVQLNQYKLGSEIGKGAYG  
VRLAYNESEDRHYAMKVLSKKKLLKQYGFRRPPRGSQAAQGGPAKQLPLERVYQEIAILKKLDHVN  
VVKLIEVLDDPAEDNLYLALQNQAQNIQLDSTNIAKPHSLLPSEQQDSGSTWAARSVFDLLRKGPMVEVP  
CDKPFSEEQARLYLRDVILGLEYLHCQKIVHRDIKPSNLLLGGDGHVKIADFGVSNQFEGNDAQLSSTAG  
TPAFMAPEAISDSGQSFSGKALDVWATGVTLYCFVYGKCPFIDDFILALHRKIKNEPVVFEPEGPEISEEL  
KDILKMLDKNPETRIGVPDIKLHPWVTKNGEELPSEEEHCSVVEVTEEEVKNSVRLIPSWTTVILVKS  
MLRKRSFGNPFEPQARREERSMSAPGNLLV

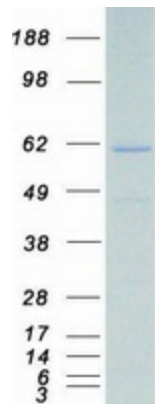
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57.3 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_757344</a>
<b>Locus ID:</b>	84254
<b>UniProt ID:</b>	<a href="#">Q8N5S9</a>
<b>RefSeq Size:</b>	2535
<b>Cytogenetics:</b>	17p13.2
<b>RefSeq ORF:</b>	1560
<b>Synonyms:</b>	CAMKKA
<b>Summary:</b>	The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade. Three transcript variants encoding two distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	Adipocytokine signaling pathway

**Product images:**

Coomassie blue staining of purified CAMKK1 protein (Cat# [TP306389]). The protein was produced from HEK293T cells transfected with CAMKK1 cDNA clone (Cat# [RC206389]) using MegaTran 2.0 (Cat# [TT210002]).