

## Recombinant Human CAMK2B Protein, MYC/DDK-tagged

Cat. No. CAMK2B-2286H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CAMK2B protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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 beta chain. It is possible that distinct isoforms of this chain have different cellular localizations and interact differently with calmodulin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014].</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	56.2 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Gene Name</b>	CAMK2B calcium/calmodulin-dependent protein kinase II beta [ Homo sapiens ]
<b>Official Symbol</b>	CAMK2B
<b>Synonyms</b>	CAM2; CAMK2; CAMKB
<b>Gene ID</b>	816
<b>mRNA Refseq</b>	NM_001220
<b>Protein Refseq</b>	NP_001211
<b>MIM</b>	607707
<b>UniProt ID</b>	Q13554

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