

## Recombinant Human CAMK4 protein, GST-tagged

Cat. No. CAMK4-956H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CAMK4 protein(NP_001735.1) (Met 1-Tyr 473) was expressed in Insect Cells, fused with the GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-473 aa
<b>Form</b>	Lyophilized from sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, pH 8.0.
<b>Molecular Mass</b>	The recombinant human CAMK4/GST chimera consists of 697 amino acids and has a predicted molecular mass of 79 kDa. It migrates as an approximately 100 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 82 % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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## GENE INFORMATION

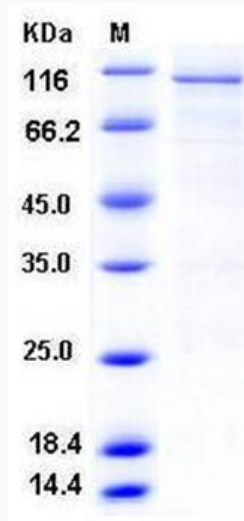
<b>Gene Name</b>	CAMK4 calcium/calmodulin-dependent protein kinase IV [ Homo sapiens ]
<b>Official Symbol</b>	CAMK4
<b>Synonyms</b>	CAMK4; calcium/calmodulin-dependent protein kinase IV; calcium/calmodulin-dependent protein kinase type IV; brain Ca <sup>++</sup> calmodulin dependent protein kinase type IV; calcium/calmodulin dependent protein kinase type IV catalytic chain; CAM kinase IV; CAM kinase GR; CaMK GR; caM kinase-GR; CAM kinase- GR; brain Ca <sup>++</sup> -calmodulin-dependent protein kinase type IV; brain Ca(2+)-calmodulin-dependent protein kinase type IV; calcium/calmodulin-dependent protein kinase type IV catalytic chain; IV; caMK; CaMK IV; CaMK-GR; MGC36771;
<b>Gene ID</b>	814
<b>mRNA Refseq</b>	NM_001744
<b>Protein Refseq</b>	NP_001735
<b>MIM</b>	114080
<b>UniProt ID</b>	Q16566

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SDS-PAGE



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