

## Recombinant Human CAMK2B protein(Met1-Gln503), His&GST-tagged

**Cat. No.** CAMK2B-970H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CAMK2B isoform 2 (Q13554-3) (Met 1-Gln 503) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	1-503 a.a.
<b>Form</b>	Supplied as sterile 20mM Tris, 500mM NaCl, 2mM GSH, 0.5mM PMSF, 10% gly, pH 8.0
<b>Bio-activity</b>	The specific activity was determined to be 300 nmol/min/mg using Autocamtide-2 synthetic peptide (KKALRRQETVDAL-amide) as substrate.
<b>Molecular Mass</b>	The recombinant human CAMK2B/GST chimera consists of 740 amino acids and has a calculated molecular mass of 84.2 kDa. It migrates as an approximately 85 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>	> 60 % as determined by SDS-PAGE

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** 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.

## GENE INFORMATION

**Gene Name** CAMK2B calcium/calmodulin-dependent protein kinase II beta [ Homo sapiens ]

**Official Symbol** CAMK2B

**Synonyms** CAMK2B; calcium/calmodulin-dependent protein kinase II beta; calcium/calmodulin dependent protein kinase (CaM kinase) II beta , CAMKB; calcium/calmodulin-dependent protein kinase type II subunit beta; calcium/calmodulin dependent protein kinase type II beta chain; CaM kinase II beta subunit; CaM kinase II beta chain; CAM2; CAMK2; proline rich calmodulin dependent protein kinase; caMK-II subunit beta; CaM-kinase II beta chain; proline rich calmodulin-dependent protein kinase; CAMKB; MGC29528;

**Gene ID** 816

**mRNA Refseq** NM\_001220

**Protein Refseq** NP\_001211

**MIM** 607707

**UniProt ID** Q13554

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