

Active Recombinant Human CAMK2B protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Active Recombinant Human CAMK2B protein(Q13554-3) (Met 1-Gln 503) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-503 aa
Form	Supplied as sterile 20mM Tris, 500mM NaCl, 2mM GSH, 0.5mM PMSF, 10% gly, pH 8.0.
Bio-activity	The specific activity was determined to be 300 nmol/min/mg using Autocamtide-2 synthetic peptide (KKALRRQETVDAL-amide) as substrate.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 60 % as determined by SDS-PAGE

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Storage	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.
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Concentration	0.1-1.0 mg/ml
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GENE INFORMATION

Gene Name	CAMK2B calcium/calmodulin-dependent protein kinase II beta [Homo sapiens]
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Official Symbol	CAMK2B
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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;
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Gene ID	816
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mRNA Refseq	NM_001220
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Protein Refseq	NP_001211
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MIM	607707
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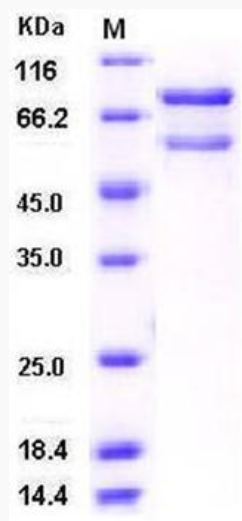
UniProt ID	Q13554
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SDS-PAGE



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