Recombinant Mouse CAMK4 protein(Met1-Tyr469), His&GST-tagged

Cat. No. CAMK4-2380M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CAMK4 (P08414) (Met1-Tyr469) was expressed in Insect Cells, fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Met1-Tyr469
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant mouse CAMK4/GST chimera consists of 706 amino acids and has a calculated molecular mass of 80.4 kDa. The recombinant protein 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	> 94 % as determined by SDS-PAGE
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.

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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	Camk4 calcium/calmodulin-dependent protein kinase IV [Mus musculus]
Official Symbol	CAMK4
Synonyms	CAMK4; calcium/calmodulin-dependent protein kinase IV; calcium/calmodulin-dependent protein kinase type IV; caMK IV; CAM kinase-GR; Ca2+/calmodulin-dependent protein kinase type IV/Gr; CaMKIV; AI666733; CaMKIV/Gr; D18Bwg0362e; A430110E23Rik;
Gene ID	12326
mRNA Refseq	NM_009793
Protein Refseq	NP_033923

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