

Recombinant Mouse Camk4, Gly & Pro tagged

Cat. No. Camk4-477M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Camk4 (P08414) (Met1-Tyr469), fused with two additional amino acids (Gly & Pro) at the N-terminus, was produced in Baculovirus-Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	1-469 a.a.
Predicted N Terminal	Gly
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse CAMK4 consists of 471 amino acids and predicts a molecular mass of 52.7 KDa. It migrates as an approximately 55 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70oC.
Storage	Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein

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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. 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]
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Official Symbol	Camk4
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Gene ID	12326
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mRNA Refseq	NM_009793
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Protein Refseq	NP_033923
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