



CaMK1A (2 - 369)

Catalog Number (DU Number):

DU1148

Accession:

NM_003656

Expression

bacteria

Terminus and Tag:

N-Term GST Uncleaved

Purification Method:

GSH Sepharose

Enzymatic Assay Format:

Standard filter binding assay

Enzymatic Buffer:

**50 mM Tris-HCl pH 7.5, 500 μ M CaCl₂, 0.3 μ M calmodulin, 0.1 mM EGTA, 0.1 %
2-mercaptoethanol, 10 mM magnesium acetate**

Enzymatic Substrate:

YLRRRLSDSNF-amide [Residues 3 - 13 of Synapsin 1]; Final concentration: 300 μ M

Calculated Molecular Mass:

Mono-Isotopic Mass: 67,986.3

Average Mass: 68,030.07

Protein Activity:

Constitutively Active

Purity:

90 %

Storage Buffer:

**50 mM Tris-HCl pH 7.5, 50 % glycerol, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol,
0.02 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF**

Storage Temperature:

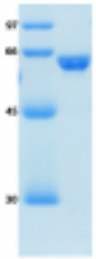
-20 °C

Theoretical pI:

5.31

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids L2 – L369 (end) of human CaMK1. Residue L232 of the fusion protein is equivalent to L2 of the native enzyme. The GST tag is located at residues 1 - 220

Protease Cleavage:

PreScission (LEVLFGGPL) residues 221 - 229

Cloning Sites:

BamH1 and EcoR1 site of pGEX 6P-1

Price per aliquot (100µg):

£100.00