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 ?M CaCl2, 0.3 ?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 ?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 :

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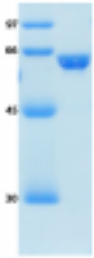
Gel Image 1:



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 (LEVLFQGPL) residues 221 - 229

Cloning Sites:
BamH1 and EcoR1 site of pGEX 6P-1

Price per aliquot (100µg):
£100.00

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