



CaMK4 (1 - 473)

Long Name:

calcium / calmodulin-dependent protein kinase IV

Catalog Number (DU Number):

DU 35125

Accession:

NM_001744.3

Expression

bacteria

Terminus and Tag:

N-Term GST Uncleaved

Purification Method:

GSH Sepharose

Enzymatic Buffer:

50 mM Tris-HCl pH 7.5, 0.1 % 2-mercaptoethanol, 0.1 mM CaCl₂, 1 μM Calmodulin, 10 mM MgAc,

Enzymatic Substrate:

KKLNRTLVA; Final concentration: 300 μM

Calculated Molecular Mass:

Mono-Isotopic Mass: 79,677.99

Average Mass: 79,728.80

Purity:

>80 %

Storage Buffer:

50 mM Tris-HCl pH 7.5, 150 mM NaCl, 270 mM sucrose, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.03 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF

Storage Temperature:

-70 °C

Theoretical pI:

5.71

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids M1 – Y473 (end) of human CAMK4. Residue M243 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.

Protease Cleavage:

Proteolysis site (LEVLFGQP) at residues 221 - 228

Cloning Sites:

Not1 sites of pGEX-6P-2

Price per aliquot (100µg):

£100.00