



CaMK2D (1 - 478)

Catalog Number (DU Number):

DU33795

Accession:

NM_172115.2

Expression

bacteria

Terminus and Tag:

N-Term GST Uncleaved

Purification Method:

GSH Sepharose

Enzymatic Buffer:

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

Enzymatic Substrate:

YLRRRLSDSNF; Final concentration: 300 μM

Calculated Molecular Mass:

Mono-Isotopic Mass: 80928.15

Average Mass: 80980.12

Protein Activity:

Constitutively Active

Purity:

85%

Storage Buffer:

50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF

Storage Temperature:

-70 °C

Theoretical pI:

6.41

Gel Information :

Gel Image 1:



Native Sequence:

Amino acids M1 – K478 (end) of human CaMK2D. Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220. The following amino acid substitution is present: A – V, where A151 of native enzyme is V382 of the fusion protein

Protease Cleavage:

PreScission (LEVLFGQP) residues 221 - 229

Cloning Sites:

BamH1 and Not1 sites of pGEX 6P-1

Price per aliquot (100µg):

£100.00