



## 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 CaCl<sub>2</sub>, 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**