



CK2 alpha 1 (2 - 391)

Long Name:

Casein Kinase 2 alpha 1 [2 - 391]

Catalog Number (DU Number):

DU813

Accession:

NM_001895

Expression

baculovirus

Terminus and Tag:

N-Term 6His Uncleaved

Purification Method:

Ni²⁺-NTA agarose

Enzymatic Assay Format:

Standard filter binding assay

Enzymatic Buffer:

20 mM Hepes pH 7.5, 5 mM DTT, 0.1 mM EDTA, 150 mM NaCl, 0.1 % Triton X-100, 10 mM MgAc

Enzymatic Substrate:

CK2 substrate peptide [RRRDDDSDDD] Final concentration: 300 μ M

Calculated Molecular Mass:

Mono-Isotopic Mass: 48, 353.17 daltons

Average Mass: 48, 384.01 daltons

Protein Activity:

Constitutively Active

Purity:

>80 %

Storage Buffer:

50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.2 mM PMSF, 1 mM Benzamidine.

Storage Temperature:

-70 °C [Long term stability to be determined]

Theoretical pI:

6.75

Gel Information :

Gel Image 1:



97

66

45

30



Native Sequence:

Amino acids S2 – Q391 (end) of human CK2 alpha 1. Residue S29 of the fusion protein is equivalent to S2 of the native enzyme. The His(6) tag is located at residues 5 – 10.

Protease Cleavage:

rTEV (ENLYFQG) residues 18 - 24

Cloning Sites:

BamH1 and EcoR1 sites of pFastBAC HTb

Price per aliquot (100µg):

£110.00