

Recombinant human Casein kinase 2 alpha 1/CSNK2A1 protein

Catalog Number: PCK0701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-391aa

UniProt No.

P68400

NCBI Accession No.

NP_001886

Alternative Names

Casein kinase 2 alpha 1, Casein kinase II subunit alpha, CK II alpha, CK2A1, Cka1, Cka2

PRODUCT SPECIFICATION

Molecular Weight

47.3 kDa (411aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 500mM NaCl, 1mM DTT, 50% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Protein Kinase Casein Kinase 2 (PKCK2, also called CK2) is a ubiquitous Ser/Thr kinase expressed in all eukaryotes. PKCK2 is a tetramer composed of two catalytic kinase domains, alpha subunits, and two identical regulatory beta subunits. It has been implicated in cell cycle control, DNA repair, regulation of the circadian rhythm, and other cellular processes. Recombinant human PKCK2, fused to His tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human Casein kinase 2 alpha 1/CSNK2A1 protein

Catalog Number: PCK0701

Amino acid Sequence

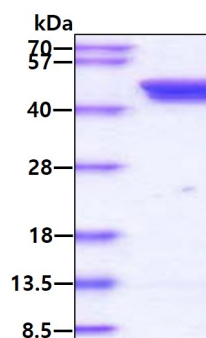
<MGSSHHHHH SSGLVPRGSH> MSGPVPSRAR VYTDVNTHRP REYWDYESHV VEWGNQDDYQ LVRKLGRGKY SEVFEAINIT NNEKVVVKIL KPVKKKKIKR EIKILENLRG GPNIITLADI VKDPVSRTPA LVFEHVNNTD FKQLYQTLTD YDIRFYMYEI LKALDYCHSM GIMHRDVKPH NVMIDHEHRK LRLIDWGLAE FYHPGQEYNV RVASRYFKGP ELLVDYQMYD YSLDMWSLGC MLASMIFRKE PFFHGHNDYD QLVRIAKVLG TEDLYDYIDK YNIELDPRFN DILGRHSRKR WERFVHSENQ HLVSPALDF LDKLLRYDHQ SRLTAREAME HPYFYTVVKD QARMGSSSMP GGSTPVSSAN MMSGISSVPT PSPLGPLAGS PVIAAANPLG MPVPAAAGA Q Q

General References

Kim YK., et al. (2006) J Biol Chem. 281(48):36752-7.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.