

AR50280PU-N

Human Casein kinase II subunit alpha (1-391, His-tag) - Purified

Alternate names:

CK II alpha, CK2A1, CSNK2A1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

CSNK2A1, also known as casein kinase II subunit alpha, are catalytic subunit of a constitutively active serine/threonine-protein kinase complex that phosphorylates a large number of substrates containing acidic residues C-terminal to the phosphorylated serine or threonine. It regulates numerous cellular processes, such as cell cycle progression, apoptosis and transcription, as well as viral infection. CSNK2A1 may act as a regulatory node which integrates and coordinates numerous signals leading to an appropriate cellular response.

Uniprot ID:

[P68400](#)

NCBI:

[NP_001886](#)

GeneID:

[1457](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF

Description:

Recombinant human CSNK2A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMMSGPV PSRARVYTDV NTHRPREYWD YESHVVEWGN
QDDYQLVRKL GRGKYSEVFE AINITNNEKV VVKILKPVKK KIKREIKIL ENLRGGPNII
TLADIVKDPV SRTPALVFEH VNNTDFKQLY QTLTDYDIRF YMYEILKALD YCHSMGIMHR
DVKPHNVIMID HEHRKRLRLID WGLAEFYHPG QEYNVRVASR YFKGPELLVD YQMYDYSLDM
WSLGCMLASM IFRKEPFFHG HDNYDQLVRI AKVLGTEDLY DYIDKYNIEL DPRFNDILGR
HSRKRWERFV HSENQHLVSP EALDFLDKLL RYDHSRLTA REAMEHPYFY TVVKDQARMG
SSSMPGGSTP VSSANMMSGI SSVPTPSPLG PLAGSPVIAA ANPLGMPVPA AAGAQQ

Molecular weight: 47.8 kDa (416aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Prudent R., et al. (2010) Cancer Res. 70:9865-9874
Deloukas P., et al. (2001) Nature. 414:865-871

Pictures:

