Recombinant human Casein kinase 2 alpha 2/CSNK2A2 protein

Catalog Number: ATGP1699

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-350aa

UniProt No.
P19784

NCBI Accession No.
NP_001887

Alternative Names
Casein kinase 2 alpha prime polypeptide, Casein kinase II subunit alpha', Casein kinase 2 alpha', CK II alpha', CSNK2A1, CK2alpha', CK2A2

PRODUCT SPECIFICATION

Molecular Weight
43.7 kDa (374aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol,1mM DTT

Purity
> 85% 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
Casein kinase 2 subunit alpha, also known as CSNK2A2, regulates numerous cellular processes, such as cell cycle progression, apoptosis and transcription, as well as viral infection. This protein may act as a regulatory node which integrates and coordinates numerous signals leading to an appropriate cellular response. Recombinant human CSNK2A2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

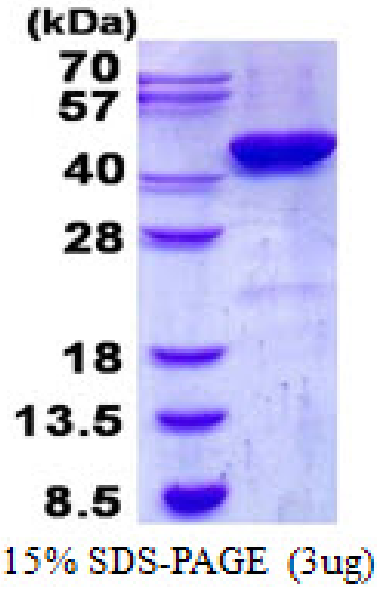
MGSSHHHHHH SSGLVPRGSH MGSHMPGPAA GSRARVYAEV NSLRSREYWD YEAHVPSWGN QDDYQLVRKL GRGKYSEVFE AINITNNERV VVKILKPVKK KKIKREVKIL ENLRGGTNII KLIDTVKDPV SKTPALVFEY INNTDFKQLY QILTDFDIRF YMYELLKALD YCHSKGIMHR DVKPHNVMID HQQKKLRLID WGLAEFYHPA QEYNVRVASR YFKGPELLVD YQMYDYSLDM WSLGCMLASM IFRREPFFHG QDNYDQLVRI AKVLGTEELY GYLKKYHIDL DPHFNDILGQ HSRKRWENFI HSENRHLVSP EALDLLDKLL RYDHQQRLTA KEAMEHPYFY PVVKEQSQPC ADNAVLSSGL TAAR

General References

Keller D.M., et al. (2001) Mol. Cell. 7:283-292
Sayed M., et al. (2001) Oncogene. 20:6994-7005

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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