

Recombinant human NCK2 protein

Catalog Number: ATGP2235

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-380aa

UniProt No.

O43639

NCBI Accession No.

NP_003572

Alternative Names

NCK adaptor protein 2, GRB4, NCKbeta

PRODUCT SPECIFICATION

Molecular Weight

45.3 kDa (403aa) 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

NCK2 is a member of the NCK family of adaptor proteins. The protein contains three SH3 domains and one SH2 domain. The protein has no known catalytic function but has been shown to bind and recruit various proteins involved in the regulation of receptor protein tyrosine kinases. It is through these regulatory activities that this protein is believed to be involved in cytoskeletal reorganization. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Recombinant human NCK2 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 SGLVPRGSH MGSMTTEEVIV IAKWDYTAQQ DQELDIKKNE RLWLLDDSKT WWRVRNAANR
TGYVPSNYVE RKNSLKKGSL VKNLKDTLGL GKTRRKTSAR DASPTPSTDA EYPANGSGAD RIYDLNIPAF VKFAYVAERE
DELSLVKGSR VTMKESDSDG WWRGSYNGQI GWFPSNYVLE EVDEAAAESP SFLSLRKGAS LSNGQGSRLV HVVQTLYPFS
SVTEEELNFE KGETMEVIEK PENDPEWWKC KNARGQVGLV PKNYVVVLSLSD GPALHPAHAP QISYTGPSST GRFAGREWYY
GNVTRHQAEC ALNERGVEGD FLIRDSESSP SDFSVSLKAS GKNKHFKVQL VDNVYICIGQR RFHTMDELVE HYKKAPIFST
EHGEKLYLVR ALQ

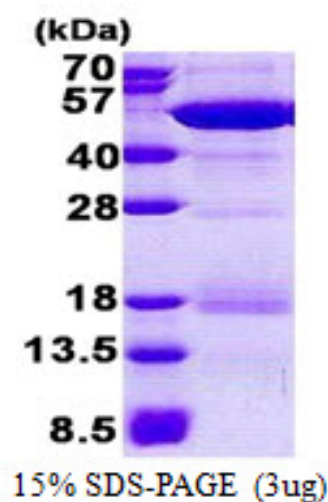
General References

Braverman L.E., et al. (1999) J. Biol. Chem. 274:5542-5549

Latreille M., et al. (2006) J. Biol. Chem. 281:26633-26644

DATA

SDS-PAGE



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