

Recombinant human NCK1 protein

Catalog Number: ATGP0587

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-377aa

UniProt No.

P16333

NCBI Accession No.

NP_006144

Alternative Names

NCK adaptor protein 1, NCK, NCKalpha, NCK adaptor protein 1 GRB4, melanoma NCK protein, MGC12668, NCK adaptor protein 2, NCK tyrosine kinase, NCKbeta, non catalytic region of tyrosine kinase, noncatalytic region of tyrosine kinase, beta, SH2/SH3 adaptor protein NCK alpha, SH2/SH3 adaptor protein NCK beta.

PRODUCT SPECIFICATION

Molecular Weight

45 kDa (397aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

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

NCK adaptor protein 1, also known as NCK, belongs to the adaptor family of proteins. The protein encoded by this gene is one of the signaling and transforming proteins containing Src homology 2 and 3 (SH2 and SH3) domains. It is located in the cytoplasm and is an adaptor protein involved in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS. Overexpression of Nck resulted in transformation

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of NIH 3T3 and 3Y1 rat fibroblast. Recombinant human NCK1, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

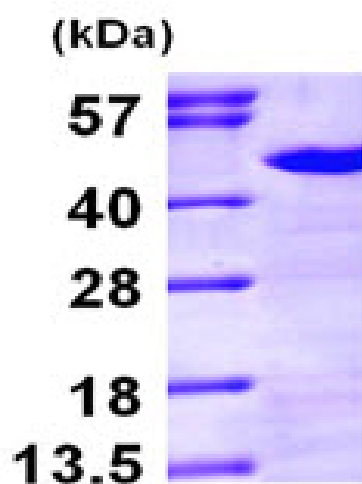
MGSSHHHHHH SGLVPRGSH MAEEVVVAK FDYVAQQEQE LDIKKNERLW LLDDSKSWWR VRNSMKNKTGF
VPSNYVERKN SARKASIVKN LKDTLGIGKV KRKPSVPDSA SPADDSFVDP GERLYDLNMP AYVKFNYMAE REDELSLIK
TKVIVMEKCS DGWWRGSYNG QVGWFPSNYV TEEGDSPLGD HVGSLSEKLA AVVNNLNTGQ VLHVQALYP
FSSNDEELN FEKGDVMDVIEKPENDEPEWW KCRKINGMVG LVPKNYVTVM QNNPLTSGLE PAPPQCDYIR PSLTGKFAGN
PWYYGKVRH QAEMALNERG HEGDFLIRDS ESSPNDFSVS LKAQGKNKHF KVQLKETVYC IGQRKFSTME ELVEHYKKAP
IFTSEQGEKL YLVKHL

General References

Chen., et al. (1998) J bio Chem. 273(39):25171-8.
Li W., et al. (1992) Mol Cell Biol. 12(12):5824-33.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)