

Product information



NCK1, 1- 377 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0587

Full name: NCK adaptor protein 1

NCBI Accession No.: NP_006144

Synonyms: NCK, NCKalpha

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 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.

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

Molecular Weight: 45 kDa (397aa), confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 1mg/ml (determined by Bradford assay)

(kDa)

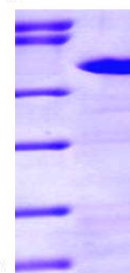
57

40

28

18

13.5



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MAEEVVVAK FDYVAQQEQE LDIIKNERLW LLDDSKSWWR VRNSMNKTGF VPSNYVERKN SARKASIVKN
LKDTLGIGKV KRKPSVPSA SPADDSFVDP GERLYDLNMP AYVKFNMAE REDELSLIKG TKVIVMEKCS DGWWRGSYNG QVGWFPNSYV
TEEGDSPLGD HVGSLSEKLA AVVNNLNTGQ VLHVQALYP FSSSNDEELN FEKGDVMDVIEKPENDEWW KCRKINGMVG LVPKNYVTVM
QNNPLTSGLE PSPQCDYIR PSLTGKFAGN PWYYGKPTRH QAEMALNERG HEGDFLIRDS ESSPNDFSVS LKAQGKKNHF KVQLKETVYC
IGQRKFSTME ELVEHYKKAP IFTSEQGEKL YLVKHLN

General references:

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Chen., *et al.* (1998) *J bio Chem.* 273(39):25171-8.

Li W., *et al.* (1992) *Mol Cell Biol.* 12(12):5824-33.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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