

Recombinant Human NCK1, His-tagged

Cat. No. NCK1-29349TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Nck with an N terminal His tag; 397aa, 45kDa.
Species	Human
Source	E.coli
ProteinLength	377 amino acids
Description	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. Alternatively spliced transcript variants encoding different isoforms have been found.
Conjugation	HIS
Molecular Weight	45.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 50mM Sodium chloride, 20mM Tris HCl, 1mM EDTA, 1mM DTT, pH 8.0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MAEEVVVVAK FDYVAQQEQE LDIKKNERLW LLDDSKSWWR VRNSMNKTGF VPSNYVERKN SARKASIVKN LKDTLGIGKV KRKPSVPDSA SPADDSFVDP GERLYDLNMP AYVKFNMAE REDELSLIK TKVIVMEKCS DGWWRGSYNG QVGWFPSNYV TEEGDSPLGD HVGSLSEKLA AVVNNLNTGQ VLHVQALYP FSSSNDEELN FEKGDVMDVI EKPENDEPWW KCRKINGMVG LVPKNYVTVM QNNPLTSGLE PSPPQCDYIR PSLTGKFAGN PWYYGKVTRH QAEMALNERG HEGDFLIRDS ESSPNDFSVS LKAQGKKNHF KVQLKETVYCIGQRKFSTME ELVEHYKKAP IFTSEQGEKL YLVKHLS
Sequence Similarities	Contains 1 SH2 domain.Contains 3 SH3 domains.
GENE INFORMATION	
Gene Name	NCK1 NCK adaptor protein 1 [Homo sapiens]
Official Symbol	NCK1
Synonyms	NCK1; NCK adaptor protein 1; NCK; cytoplasmic protein NCK1; NCKalpha;
Gene ID	4690
mRNA Refseq	NM_001190796
Protein Refseq	NP_001177725
MIM	600508

Uniprot ID	P16333
Chromosome Location	3q21
Pathway	Activation of Rac, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Axon guidance, organism-specific biosystem;
Function	cytoskeletal adaptor activity; protein binding; protein domain specific binding; receptor binding; receptor signaling complex scaffold activity;

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