

## Recombinant Human NCK1, His-tagged

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

### SPECIFICATION

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

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<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Sequences of amino acids</b>	<p>MGSSHHHHHH SSGLVPRGSH MAEEVVVAK FDYVAQQEQE LDIKKNERLW          LLDDSKSWWR VRNSMNKTGF VPSNYVERKN SARKASIVKN LKDTLGIGKV          KRKPSVPSA 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</p>
<b>Sequence Similarities</b>	Contains 1 SH2 domain.Contains 3 SH3 domains.

## GENE INFORMATION

<b>Gene Name</b>	NCK1 NCK adaptor protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	NCK1
<b>Synonyms</b>	NCK1; NCK adaptor protein 1; NCK; cytoplasmic protein NCK1; NCKalpha;
<b>Gene ID</b>	4690
<b>mRNA Refseq</b>	NM_001190796
<b>Protein Refseq</b>	NP_001177725
<b>MIM</b>	600508

<b>Uniprot ID</b>	P16333
<b>Chromosome Location</b>	3q21
<b>Pathway</b>	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;
<b>Function</b>	cytoskeletal adaptor activity; protein binding; protein domain specific binding; receptor binding; receptor signaling complex scaffold activity;

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