

Recombinant Human NCK2, His-tagged

Cat. No. NCK2-29113TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 199-380 of Human Nck beta with an N terminal His tag. Predicted mwt: 22 kDa:
Species	Human
Source	E.coli
ProteinLength	199-380 a.a.
Description	This gene encodes 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.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Lyophilised:Reconstitute with 82 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

 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 -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VVQTLYPFSSVTEEEELNFEKGETMEVIEKPENDPEWWKCK NARGQVGLVPKNYVV VLSDGPALHPAHAPQISYTG PSS SGRFAGREWYYGNVTRHQAECALNERGVEGDF LIRDSE SSPSDFSLSLKASGKNKHKVQLVDNVYCIGQRRFHTMDE LVEHYKKAPIF TSEHGKLYLVRLQ
Sequence Similarities	Contains 1 SH2 domain.Contains 3 SH3 domains.
GENE INFORMATION	
Gene Name	NCK2 NCK adaptor protein 2 [Homo sapiens]
Official Symbol	NCK2
Synonyms	NCK2; NCK adaptor protein 2; cytoplasmic protein NCK2; NCKbeta;
Gene ID	8440
mRNA Refseq	NM_001004720
Protein Refseq	NP_001004720
MIM	604930
Uniprot ID	O43639
Chromosome Location	2q12
Pathway	Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific

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	biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem;
Function	cytoskeletal adaptor activity; protein binding; receptor signaling complex scaffold activity;

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