Recombinant Human NCK Adaptor Protein 2

Cat. No. NCK2-49H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCK2 is produced in*E.Coli*.
Species	Human
Source	E.coli
Description	The NCK family of SH2/SH3 adaptor proteins consists of two members, NCK1 and NCK2, which couple tyrosine kinase signaling, including the EGF and PDGF receptor-pathways, to downstream signaling proteins. The NCK2 (amino acids 119-27) protein binds human PDGFR-b (Tyr-1009); over expression of NCK2 inhibits PDGF-induced membrane ruffling and lamellipod formation.
Purity	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Physical Appearance	Sterile Filtered clear solution.
Formulation	NCK2 protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Applications	• ELISA • Inhibition Assays • Western Blotting
Characterization	On SDS-PAGE coomassie blue stained gel, the purified recombinant protein shows a band at 45 kDa.

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Storage	Store vial at -20ºC to -80ºC. When stored at the recommended temperature, this protein is stable for 12 months. Please avoid freeze-thaw cycles.

GENE INFORMATION

Gene Name	NCK2 NCK adaptor protein 2 [Homo sapiens]
Synonyms	NCK2; NCK adaptor protein 2; GRB4; NCKbeta; SH2/SH3 adaptor protein NCK-beta; noncatalytic region of tyrosine kinase, beta; Cytoplasmic protein NCK2; Nck-2
Gene ID	8440
mRNA Refseq	NM_001004720
Protein Refseq	NP_001004720
MIM	604930
UniProt ID	O43639
Chromosome Location	2q12
Pathway	Axon guidance; ErbB signaling pathway; Pathogenic Escherichia coli infection-EHEC; T cell receptor signaling pathway; Axon guidance; Signaling by PDGF
Function	Function Evidence; cytoskeletal adaptor activity; protein binding; receptor signaling complex scaffold activity

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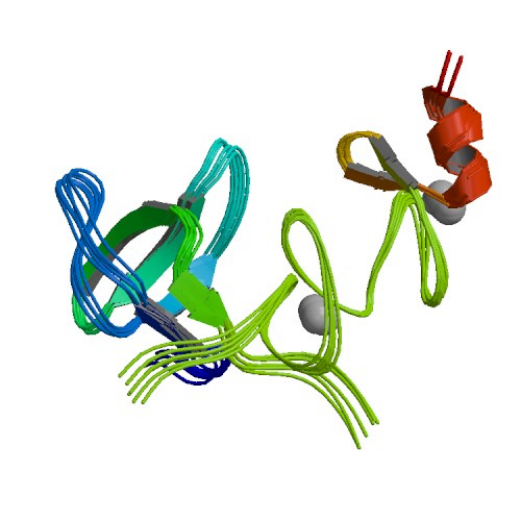
PDB rendering based on 1u5s.



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