

## Recombinant Human NCK Adaptor Protein 2

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NCK2 is produced in <i>E.Coli</i> .
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Purity</b>	Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Physical Appearance</b>	Sterile Filtered clear solution.
<b>Formulation</b>	NCK2 protein at 100g/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
<b>Applications</b>	• ELISA • Inhibition Assays • Western Blotting
<b>Characterization</b>	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 -20°C to -80°C. 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

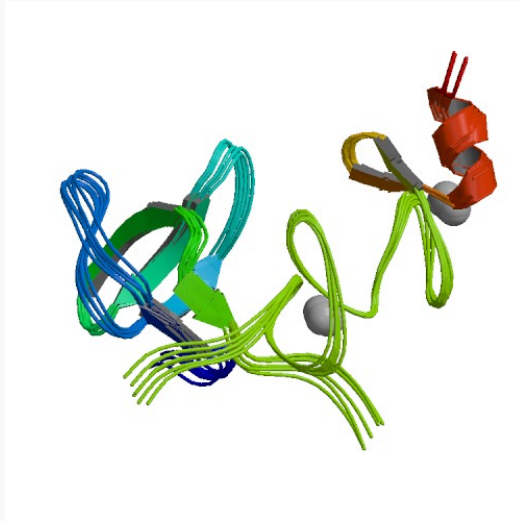
**Function** Function Evidence; cytoskeletal adaptor activity; protein binding; receptor signaling complex scaffold activity

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