NCK Protein
Full length recombinant protein expressed in SF9 cells

Catalog # N06-30H
Lot # D244-3

Product Description
Recombinant full-length human NCK was expressed by baculovirus in SF9 insect cells using an N-terminal His tag. The gene accession number is NM_006153.

Gene Aliases
NCK1, MGC12668, NCKAlpha

Formulation
Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.

Storage and Stability
Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Scientific Background
NCK (or non-catalytic region of tyrosine kinase adaptor protein 1) is an adaptor protein that is located in the cytoplasm and involved in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS (1). NCK is a signaling and transforming protein that contains Src homology 2 and 3 (SH2 and SH3) domains. NCK functions by coupling tyrosine phosphorylation via SH2 domains to downstream effectors through SH3 domains. Furthermore, NCK couples tyrosine phosphorylation guidance signals to cytoskeletal events required for the ipsilateral projections of spinal cord neurons and for normal limb movement (2).

References

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