

Datasheet for ABIN6700285 **NCK1 Protein (His tag)**



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Overview

Quantity:	20 µg
Target:	NCK1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCK1 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	NCK recombinant protein-HIS Epitope
Purification:	Recombinant full-length human NCK was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. The purity was determined to be >75% by densitometry.
Purity:	>75%

Target Details

Target:	NCK1
Alternative Name:	NCK1 (NCK1 Products)
Background:	Synonyms: NCK1, MGC12668, NCKalpha, Cytoplasmic protein NCK1 NCK adaptor protein 1, Nck-1, SH2/SH3 adaptor protein NCK-alpha 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

Target Details

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). NCK Protein is ideal for investigators involved in Signaling Proteins, Adaptor Proteins, Angiogenesis, Cancer, Inflammation, and Invasion/Metastasis research.

NCBI Accession: [NM_006153](#)

Pathways: [TCR Signaling, Regulation of Actin Filament Polymerization, Signaling Events mediated by VEGFR1 and VEGFR2, VEGFR1 Specific Signals](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: NCK Protein is suitable for use in Western Blot. Expect a band approximately ~48 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: NCK Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months