9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

NCK1 Human

NCK Adaptor Protein 1 Human Recombinant
RCP1463

Product Overview

Name	NCK1 Human
Description	
NCK Adaptor Protein 1 Human Recombinant	
Accession (Primary)	P16333
Synonyms	
NCK, NCKalpha, NCK1, NCK adaptor protein 1, Cytoplasmic protein NCK1, SH2/SH3 adaptor protein NCK-alpha, MGC12668.	
Introduction	
NCK1 is an adapter protein which binds with tyrosine-phosphorylated growth factor receptors or their cellular substrates. NCK1 maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. NCK1 is involved in the DNA damage response, for efficient activation of downstream effectors, such as that of CHEK2. NCK1 is one of the signaling and transforming proteins containing Src homology 2 and 3 (SH2 and SH3) domains. NCK1 is located in the cytoplasm and is an adaptor protein that participates in transducing signals from receptor tyrosine kinases to downstream signal recipients such as RAS.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
NCK1 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 1mM EDTA, 50mM NaCl & 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MAEEVVVVAK FDYVAQQEQE LDIKKNERLW LLDDSKSWWR VRNSMNKTGF VPSNYVERKN SARKASIVKN LKDTLGIGKV KRKPSVPDSA SPADDSFVDP GERLYDLNMP AYVKFNYMAE	

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REDELSLIKG TKVIVMEKCS DGWWRGSYNG QVGWFPSNYV TEEGDSPLGD HVGSLSEKLA AVVNNLNTGQ VLHVVQALYP FSSSNDEELN FEKGDVMDVIEKPENDPEWW KCRKINGMVG LVPKNYVTVM QNNPLTSGLE PSPPQCDYIR PSLTGKFAGN PWYYGKVTRH QAEMALNERG HEGDFLIRDS ESSPNDFSVS LKAQGKNKHF KVQLKETVYC IGQRKFSTME ELVEHYKKAP IFTSEQGEKL YLVKHLS.

Precautions

NCK1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16333)