

**NCK2, 1-380aa, Human, His tag, E.coli**

**Cat.NO.: TP03108**

3th Edition

**Synonyms:**NCK adaptor protein 2, GRB4, NCKbeta

**Description:**NCK2 is a member of the NCK family of adaptor proteins. The protein contains three SH3 domains and one SH2 domain. The protein has no known catalytic function but has been shown to bind and recruit various proteins involved in the regulation of receptor protein tyrosine kinases. It is through these regulatory activities that this protein is believed to be involved in cytoskeletal reorganization. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Recombinant human NCK2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

**Molecular Weight:**45.3 kDa (403aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMTTEEVIVIAKWDYTAQQDQELDIKKNERLWLLDDSKTWWRVNRNAANRTGYV  
PSNYVERKNSLKKGSLVKNLKDTLGLGKTRRKT SARDASPTPSTDAEYPANGSGADRIYDLNIPAFVKFAYVAERED  
ELSLVKGSRVTVMKCS DGWWRG SYNGQIGWFPSNYVLEEVDEAAAESPSFLSLRK GASLSNGQGS RVLHV VQT  
LYPFSSVTEEELNFEKGETMEVIEKPENDEPEWWKCKNARGQVGLVPKNYVVVLS DGPALHPAHAPQISYTG PSSS  
GRFAGREWYYGNVTRHQAECALNERGVEGDFLIRDSESSPSDFSVSLKASGKNKHFKVQLVDNVYCIGQRRFHT  
MDELVEHYKKAPIFTSEHGKLYLVRALQ

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.