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# Recombinant human NCK2 protein

Catalog Number: ATGP2235

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-380aa

#### **UniProt No.**

043639

#### **NCBI Accession No.**

NP 003572

### **Alternative Names**

NCK adaptor protein 2, GRB4, NCKbeta

# PRODUCT SPECIFICATION

### **Molecular Weight**

45.3 kDa (403aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

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

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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 transcriptiona 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.



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# **Amino acid Sequence**

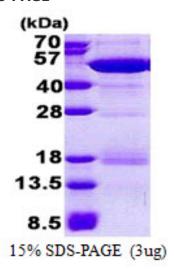
MGSSHHHHHH SSGLVPRGSH MGSMTEEVIV IAKWDYTAQQ DQELDIKKNE RLWLLDDSKT WWRVRNAANR TGYVPSNYVE RKNSLKKGSL VKNLKDTLGL GKTRRKTSAR DASPTPSTDA EYPANGSGAD RIYDLNIPAF VKFAYVAERE DELSLVKGSR VTVMEKCSDG WWRGSYNGQI GWFPSNYVLE EVDEAAAESP SFLSLRKGAS LSNGQGSRVL HVVQTLYPFS SVTEEELNFE KGETMEVIEK PENDPEWWKC KNARGQVGLV PKNYVVVLSD GPALHPAHAP QISYTGPSSS GRFAGREWYY GNVTRHQAEC ALNERGVEGD FLIRDSESSP SDFSVSLKAS GKNKHFKVQL VDNVYCIGQR RFHTMDELVE HYKKAPIFTS EHGEKLYLVR ALQ

#### **General References**

Braverman L.E., et al. (1999) J. Biol. Chem. 274:5542-5549 Latreille M., et al. (2006) J. Biol. Chem. 281:26633-26644

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

