

## Product datasheet for PH302557

### Nck beta (NCK2) (NM\_003581) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NCK2 MS Standard C13 and N15-labeled recombinant protein (NP_003572)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202557
Predicted MW:	42.9 kDa
Protein Sequence:	>RC202557 protein sequence Red=Cloning site Green=Tags(s)
	MTEEVIVIAKWDYTAQQDQELDIKKNERLWLLDDSKTWWVRNAANRTGYVPSNYVERKNSLKKGSLVKN LKDTLGLGKTRRKTSARDASPTPSTDAEYPANGSGADRIYDLNIPAFVKFAYVAEREDLSLVKGSRVTV MEKCSGDGWWRGSYNGQIGWFPSNYVLEEVDAAAESPSFLSLRKGASLSNGQGSRVLHVVTLYPFSSVT EEELNFEKGETMEVIEKPENDPEWWKCKNARGQVGLVPKNYVVVLSGDPALHPAHAPQISYTGPSSSGRF AGREWYYGNVTRHQAECALNERGVEGDFLIRDSESSPSDFSVSLKASGKNKHFKVQLVDNVYICIGQRRFH TMDELVEHYKKAPIFTSEHGKLYLVRALQ
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003572</u>
RefSeq Size:	2517
RefSeq ORF:	1140
Synonyms:	GRB4; NCKbeta
Locus ID:	8440



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UniProt ID: [O43639](#), [A0A0S2Z4M6](#)

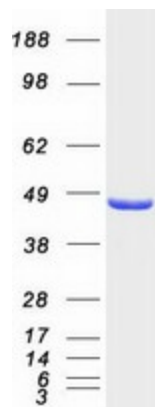
Cytogenetics: 2q12.2

**Summary:** This gene encodes 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Axon guidance, ErbB signaling pathway, Pathogenic Escherichia coli infection, T cell receptor signaling pathway

### Product images:



Coomassie blue staining of purified NCK2 protein (Cat# [TP302557]). The protein was produced from HEK293T cells transfected with NCK2 cDNA clone (Cat# [RC202557]) using MegaTran 2.0 (Cat# [TT210002]).