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Datasheet for ABIN7318390 NCK1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	NCK1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCK1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NCK1 Protein (His Tag)
Sequence:	Met 1-Ser377
Characteristics:	Recombinant Human Non-catalytic Region of Tyrosine Kinase Adaptor Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Ser377 is expressed with a 6His tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NCK1
Alternative Name:	NCK1 (NCK1 Products)
Background:	Background: Cytoplasmic Protein NCK1 (NCK1) is a cytoplasmic protein that contains one SH2 domain and three SH3 domains. NCK1 is a member of the adapter family, which associates

Target Details

with tyrosine-phosphorylated growth factor receptors, such as KDR and PDGFRB, or their cellular substrates. NCK1 maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. NCK1 plays a role in the DNA damage response, but not in the detection of the damage by ATM/ATR. It is also involved in transducing signals from receptor tyrosine kinases to downstream signal recipients, such as ELK1-dependent transcriptional activation in response to activated Ras signaling.

Synonym: Cytoplasmic Protein NCK1, NCK adaptor Protein 1, Nck-1, SH2/SH3 Adaptor Protein NCK-Alpha, NCK1, NCK

Molecular Weight: 45.0 kDa

UniProt: [P16333](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 5 % Mannitol, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.