

## 32-8165: Recombinant Human Cytoplasmic Protein NCK1 (N-6His)(Discontinued)

**Gene :** NCK1  
**Gene ID :** 4690  
**Uniprot ID :** P16333

### Description

Source: E. coli.  
MW :45kD.

Recombinant Human NCK1 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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 50mM NaCl, pH 8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMAEEVVVAKFDYVAQQEQELDIKKNERLWLLDDSKSWWRVNSMKNKTGFVPSNYVERKNSARKASIVKNLKDITLGIGVKRKPSVPDSASPADDSFVDPGERLYDLNMPAYVKFNYMAEREDLSEIKGTGKIVMEKCSGWWRGSYNGQVGWFPNSYVTEEGDSPLGDHVGSLSEKLAAVVNNLNTGQVLHVQALYPFSSSNDEELNFEKGDVMDVIEKPENDEPWWKCRKINGMVGLVPKNYVTVMQNNPLTSGLEPSPQCDYIRPSLTGKFAGNPWYYGKVTRHQAEMALNERGHEGDFLRDSESSPNDFSVSLKAQGKKNHFKVQLKETVYCI GQRKFSTMEELVEHYKKAPIFTSEQGEKLYLVKHL

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.