

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 : MGSSHHHHHHSSGLVPRGSHMAEEVVVAKFDYVAQQEQELDIKKNERLWLLDDSKSWWRVRNSMKNKTGFVPSNYVERKNSARKASIVKNLKDITLGIGVKRKPSVPDSASPADDSFVDPGERLYDLNMPAYVKFNMAEREDLSEIKGTVIVMEKCSGWWRGSYNGQVGWFPNSYVTEEGDSPLGDHVGSLSEKLAAVVNNLNTGQVLHVVQALYPFSSNDEELNFEKGDVMDVIEKPENDEPEWWKCRKINGMVGLVPKNYVTVMQNNPLTSGLESPPPQCDYIRPSLTGKFAGNPWYYGKVTRHQAEMALNERGHEGDFLRDSESSPNDPFSVSLKAQGNKHKFKVQLKETVYCI 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 ddH₂O. 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.