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**Recombinant Human Cytoplasmic Protein NCK1 Protein(N-6His)****Cat.NO.: TP05091**

3th Edition

**Synonyms:**Cytoplasmic Protein NCK1; NCK adaptor Protein 1; Nck-1; SH2/SH3 Adaptor Protein NCK-Alpha; NCK1; NCK

**Description:**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.

**Form:**PBS

**Molecular Weight:**45.0 kDa

**Sequences:**Met 1-Ser377

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.