Recombinant Human NCK1 Protein (His Tag)

Catalog No. PKSH032339

Note: Centrifuge before opening to ensure complete recovery of vial contents.

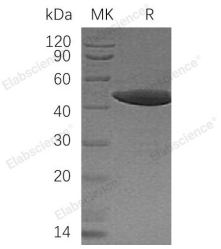
Description

Synonyms	Cytoplasmic Protein NCK1;NCK adaptor Protein 1;Nck-1;SH2/SH3 Adaptor Protein NCK-Alpha;NCK1;NCK
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ser377
Accession	P16333
Calculated Molecular Weight	45.0 kDa
Observed molecular weight	50 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 5% Mannitol, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 80 % as determined by reducing SDS-PAGE.

Background

Toll-free: 1-888-852-8623
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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.

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