

Product datasheet

Recombinant Human Nck protein ab97409

1 References 1 Image

Description

Product name	Recombinant Human Nck protein
Purity	> 90 % SDS-PAGE. ab97409 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P16333
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MAEEVVVAK FDYVAQQEQE LDIKKNERLW LLDDSKSWWR VRNSMNKTGF VPSNYVERKN SARKASVKN LKDTLGIGKV KRKPSVPDSA SPADDSFVDP GERLYDLNMP AYVKFNMAE REDELSLIK TKVVMKCS DGWWRGSYNG QVGWFPSNYV TEEGDSPLGD HVGSLSEKLA AVVNNLNTGQ VLHVQALYP FSSSNDEELN FEKGDVMDVI EKPENDEWW KCRKINGMVG LVPKNYVTVM QNNPLTSGLE PAPPQCDYR PSLTGKFAGN PWYVGKTRH QAEMALNERG HEGDFLIRDS ESSPNDFSVS LKAQGKNKHF KVQLKETVYC IGQRKFSTME ELVEHYKKAP IFTSEQGEKL YLVKHL </pre>
Predicted molecular weight	45 kDa including tags
Amino acids	1 to 377
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab97409** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Mass Spectrometry

Mass spectrometry	MALDI-TOF-TOF
Form	Liquid

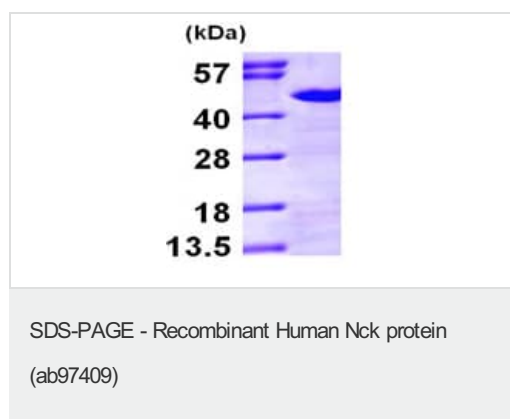
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 20% Glycerol (glycerin, glycerine), 0.29% Sodium chloride
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General Info

Function	Adapter protein which associates with tyrosine-phosphorylated growth factor receptors or their cellular substrates. Maintains low levels of EIF2S1 phosphorylation by promoting its dephosphorylation by PP1. Plays a role in the DNA damage response, not in the detection of the damage by ATM/ATR, but for efficient activation of downstream effectors, such as that of CHEK2.
Sequence similarities	Contains 1 SH2 domain. Contains 3 SH3 domains.
Post-translational modifications	Phosphorylated on Ser and Tyr residues.
Cellular localization	Cytoplasm. Endoplasmic reticulum. Nucleus. Mostly cytoplasmic, but shuttles between the cytoplasm and the nucleus. Import into the nucleus requires the interaction with SOCS7. Predominantly nuclear following genotoxic stresses, such as UV irradiation, hydroxyurea or mitomycin C treatments.

Images



15% SDS-PAGE showing ab97409 at approximately 45kDa (3µg).

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