# abcam

# Product datasheet

# Recombinant Human Nck protein ab85711

### 1 Image

**Description** 

Product name Recombinant Human Nck protein

**Purity** > 75 % Densitometry.

Affinity purified.

**Expression system** Baculovirus infected Sf9 cells

Protein length Full length protein

Animal free No

Nature Recombinant

**Species** Human

## **Specifications**

Our Abpromise guarantee covers the use of ab85711 in the following tested applications.

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

**Applications** Western blot

SDS-PAGE

Form Liquid

#### **Preparation and Storage**

**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.00

Preservative: 1.02% Imidazole

Constituents: 0.00174% PMSF, 0.82% Sodium phosphate, 0.0308% DTT, 25% Glycerol

(glycerin, glycerine), 1.74% Sodium chloride

#### **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.

1

Sequence similarities Contains 1 SH2 domain.

Contains 3 SH3 domains.

Post-translational

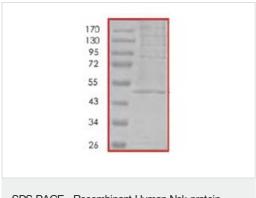
Phosphorylated on Ser and Tyr residues. modifications

**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**



SDS-PAGE showing ab85711 at approximately 48kDa.

SDS-PAGE - Recombinant Human Nck protein (ab85711)

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