

Datasheet for ABIN7561547  
**NUP50 Protein (AA 1-466) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NUP50
Protein Characteristics:	AA 1-466
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NUP50 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nup50 Protein expressed in mammalian cells.
Sequence:	<p>MAKRVAEKEL TDRNWDEEDE VEEMGTFSVA SEEVMKNRAV KKAKRRNVGF ESDSGGAFKG            FKGLVPSGG GGFSGFGGSG GKPLEGLTNG NSTDNATPFS NVKTAAEPKA AFGSFAVNGP            TTLVDKKISS PKCNSNSQPP SSGPASSTAC PGNAYHKQLA GLNCSVRDWI VKHVNTNPLC            DLTIPIFKDYE RYLATIEKQL ENGGGSSSES QTDRATAGME PPSLFGSTKL QQESPFSFHG            NKAEDTSEKV EFTAEEKSDA AQGATSASFSGK KIESSAL GSLSSGSLTG FSFSAGSSSL            FGKDAAQSKA ASSLFSAKAS ESPAGGGSSE CRDGEEND EPPKVVVTEV KEEDAFYSKK            CKLFYKKDNE FKEKGVGTLH LKPTATQKTQ LLVRADTNLG NILLNVLIAP NMPCTRTGKN            NVLIVCVPNP PLDEKQPTLP ATMLIRVKTS EDADELHKIL LEKKDA</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

NUP50

### Alternative Name:

Nup50 ([NUP50 Products](#))

### Background:

Nuclear pore complex protein Nup50 (50 kDa nucleoporin) (Nuclear pore-associated protein 60 kDa-like) (Nucleoporin Nup50),FUNCTION: Component of the nuclear pore complex that has a direct role in nuclear protein import (PubMed:10811608). Actively displaces NLSs from importin-alpha, and facilitates disassembly of the importin-alpha:beta-cargo complex and importin recycling (PubMed:16222336). Interacts with regulatory proteins of cell cycle progression including CDKN1B (PubMed:10891500, PubMed:10811608). This interaction is required for correct intracellular transport and degradation of CDKN1B (PubMed:10811608). {ECO:0000269|PubMed:10811608, ECO:0000269|PubMed:10891500, ECO:0000269|PubMed:16222336}.

### Molecular Weight:

49.5 kDa

### UniProt:

[Q9JIH2](#)

## Target Details

Pathways: [Tube Formation](#)

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months