

Datasheet for ABIN7549824

**Nectin-Like 2 Protein (NDNL2) (AA 1-304) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Nectin-Like 2 (NDNL2)
Protein Characteristics:	AA 1-304
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Nectin-Like 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinant NSMCE3 Protein expressed in mammalian cells.
Sequence:	MLQKPRNRGR SGGQAERDRD WSHSGNPGAS RAGEDARVLR DGFAEEAPST SRGPGGSQGS QGSPQGARR AQAAPAVGPR SQKQLELKVS ELVQFLLIKD QKKIPIKRAD ILKHVIGDYK DIFPDLFKRA AERLQYVFGY KLVELEPKSN TYILINTLEP VEEDAEMRGD QGTPPTGLLM IVLGLIFMKG NTIKETEAWD FLRRLGVYPT KKHIFGDPK KLITEDFVRQ RYLEYRRIPH TDPVDYEFQW GPRTNLETSK MKVLKFAKV HNQDPKDWPA QYCEALADEE NRARPQPSGP APSS <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>
Characteristics:	Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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.

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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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## Target Details

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Target:	Necdin-Like 2 (NDNL2)
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Alternative Name:	NSMCE3 ( <a href="#">NDNL2 Products</a> )
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Background:	<p>Non-structural maintenance of chromosomes element 3 homolog (Non-SMC element 3 homolog) (Hepatocellular carcinoma-associated protein 4) (MAGE-G1 antigen) (Melanoma-associated antigen G1) (Necdin-like protein 2),FUNCTION: Component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination (PubMed:20864041, PubMed:27427983). The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination in ALT (alternative lengthening of telomeres) cell lines and mediates sumoylation of shelterin complex (telosome) components which is proposed to lead to shelterin complex disassembly in ALT-associated PML bodies (APBs). In vitro enhances ubiquitin ligase activity of NSMCE1. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex (PubMed:20864041). May be a growth suppressor that facilitates the entry of the cell into cell cycle arrest (By similarity). {ECO:0000250 UniProtKB:Q9CPR8, ECO:0000269 PubMed:20864041, ECO:0000269 PubMed:27427983}.</p>
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Molecular Weight:	34.3 kDa
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## Target Details

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UniProt: [Q96MG7](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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