

Datasheet for ABIN7554722  
**TMEM48 Protein (AA 1-674) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TMEM48
Protein Characteristics:	AA 1-674
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM48 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant NDC1 Protein expressed in mammalian cells.
Sequence:	MATAVSRPCA GRSRDILWRV LGWRIVASIV WSVLFLPICT TVFIIFSRID LFHPIQWLSD SFSDLYSSYV IFYFLLLSV IIIISIFNVE FYAVVPSIPC SRLALIGKII HPQQLMHSFI HAAMGMVMAW CAAVITQGQY SFLVVPCTGT NSFGSPAAQT CLNEYHLFFL LTGAFMGYSY SLLYFVNNMN YLPFPIIQY KFLRFRRSLL LLVKHSCVES LFLVRNFCIL YYFLGYIPKA WISTAMNLHI DEQVHRPLDT VSGLLNLSLL YHVWLCGVFL LTTWYVSWIL FKIYATEAHV FVQPPFAEG SDECLPKVLN SNPPPIIKYL ALQDLMLLSQ YSPSRRQEVF SLSQPGGHPH NWTASRECL NLLNGMTQKL ILYQEAAATN GRVSSYPVE PCKLNSPEET AFQTPKSSQM PRPSVPLVK TSLFSSKLST PDVVSFPGTP FGSSVMNRMA GIFDVNTCYG SPQSPQLIRR GPRLWTSASD QQMTEFSNPS PSTSISAEGK TMRQPSVIYS WIQNKREQIK NFLSKRVLIM YFFSKHPEAS IQAVFSDAQM HIWALEGLSH LVAASFTEDR FGVVQTTLPA ILNTLLTLQE AVDKYFKLPH ASSKPPRISG SLVDTSYKTL RFAFRASLKT AIYRITTTTFG EHLNAVQASA EHQRLLQQFL EFKE <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b>

## Product Details

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**expression system, a different complexity of the protein could make another tag necessary.**

**In case you have a special request, please contact us.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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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.

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

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Grade: custom-made

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## Target Details

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Target: TMEM48

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Alternative Name: NDC1 ([TMEM48 Products](#))

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Background: Nucleoporin NDC1 (hNDC1) (Transmembrane protein 48),FUNCTION: Component of the nuclear pore complex (NPC), which plays a key role in de novo assembly and insertion of NPC in the nuclear envelope. Required for NPC and nuclear envelope assembly, possibly by forming a link between the nuclear envelope membrane and soluble nucleoporins, thereby anchoring the NPC in the membrane. {ECO:0000269|PubMed:16600873, ECO:0000269|PubMed:16702233}.

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Molecular Weight: 76.3 kDa

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UniProt: [Q9BTX1](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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