

Datasheet for ABIN7544385
TMEM201 Protein (AA 1-666) (His tag)



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Overview

Quantity:	1 mg
Target:	TMEM201
Protein Characteristics:	AA 1-666
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM201 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMEM201 Protein expressed in mammalian cells.
Sequence:	MEGVSALLAR CPTAGLAGGL GVTACAAAGV LLYRIARRMK PTHTMVNCWF CNQDTLVPYG NRNCWDCPHC EQYNGFQENG DYNKPIPAQY LEHLNHVSS APSLRDPSQP QQWVSSQVLL CKRCNHHQTT KIKQLAAFAP REEGRYDEEV EVYRHHLEQM YKLCRPCQAA VEYIYKHQNR QLRALLLSHQ FKRREADQTH AQNFSSAVKS PVQVILLRAL AFLACAFLLT TALYGASGHF APGTTVPLAL PPGGNGSATP DNGTTPGAEG WRQLLGLLPE HMAEKLCEAW AFGQSHQTGV VALGLLTCLL AMLLAGRIRL RRIDAFCTCL WALLLGLHLA EQHLQAASPS WLDTLKFSTT SLCCLVGFTA AVATR KATGP RFRPRRFFP GDSAGLFPTS PSLAIPHSV GGSPASLFIP SPPSFLPLAN QQLFRSPRRT SPSSLPGRLS RALSLGTIPS LTRADSGYLF SGSRPPSQVS RSGEFPVSDY FSLLSGSCPS SPLPSPAPSV AGSVASSSGS LRHRRPLISP ARLNLKGQKL LLFPSPGFA PTPSSSDEH SPHNGSLFTM EPPHVPRKPP LQDVKHALDL RSKLERGSAC SNRSIKKEDD SSQSSTCVVD TTTRGCSEEA ATWRGRFGPS LVRGLLAVSL AANALFTSVF LYQSLR 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.

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.

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: TMEM201

Alternative Name: TMEM201 ([TMEM201 Products](#))

Background: Transmembrane protein 201 (Spindle-associated membrane protein 1),FUNCTION: Involved in nuclear movement during fibroblast polarization and migration. Proposed to be involved in actin-dependent nuclear movement via association with transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow (By similarity). Overexpression can recruit Ran GTPase to the nuclear periphery (PubMed:27541860). {ECO:0000250|UniProtKB:A2A8U2, ECO:0000305|PubMed:27541860},. FUNCTION: [Isoform 2]: May define a distinct membrane domain in the vicinity of the mitotic spindle (PubMed:19494128). Involved in the organization of the nuclear envelope implicating EMD, SUN1 and A-type lamina (PubMed:21610090). {ECO:0000269|PubMed:19494128,

Target Details

ECO:0000269|PubMed:21610090}.

Molecular Weight: 72.2 kDa

UniProt: [Q5SNT2](#)

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