

Datasheet for ABIN7544518  
**TMEM147 Protein (AA 1-224) (His tag)**



[Go to Product page](#)

## Overview

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Quantity:                     | 1 mg                                           |
| Target:                       | TMEM147                                        |
| Protein Characteristics:      | AA 1-224                                       |
| Origin:                       | Human                                          |
| Source:                       | HEK-293 Cells                                  |
| Protein Type:                 | Recombinant                                    |
| Purification tag / Conjugate: | This TMEM147 protein is labelled with His tag. |

## Product Details

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| Purpose:         | Custom-made recombinant TMEM147 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence:        | MTLFHFGNCF ALAYFPYFIT YKCSGLSEYN AFWKCVQAGV TYLFVQLCKM LFLATFFPTW<br>EGGIYDFIGE FMKASVDVAD LIGLNLVMSR NAGKGEYKIM VAALGWATAE LIMSRCIPLW<br>VGARGIEFDW KYIQMSIDSN ISLVHYIVAS AQVWMITRYD LYHTFRPAVL LLMFLSVYKA<br>FVMETFVHLC SLGSWAALLA RAVVTGLLAL STLALYVAVV NVHS <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> |
| 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: <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, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade:  | custom-made                                                                                   |

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## Target Details

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| Target:           | TMEM147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | TMEM147 ( <a href="#">TMEM147 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | BOS complex subunit TMEM147 (Protein NIFIE 14) (Transmembrane protein 147),FUNCTION: Component of the multi-pass translocon (MPT) complex that mediates insertion of multi-pass membrane proteins into the lipid bilayer of membranes (PubMed:32820719, PubMed:36261522). The MPT complex takes over after the SEC61 complex: following membrane insertion of the first few transmembrane segments of proteins by the SEC61 complex, the MPT complex occludes the lateral gate of the SEC61 complex to promote insertion of subsequent transmembrane regions (PubMed:36261522). Also acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane (PubMed:21056967). Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity (PubMed:21056967). Regulates LBR localization to the nucleus inner membrane (PubMed:32694168). {ECO:0000269 PubMed:21056967, ECO:0000269 PubMed:32694168, ECO:0000269 PubMed:32820719, ECO:0000269 PubMed:36261522}. |
| Molecular Weight: | 25.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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## Target Details

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UniProt: [Q9BVK8](#)

## 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.

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