

Datasheet for ABIN7544597

TMEM164 Protein (AA 1-297) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TMEM164
Protein Characteristics:	AA 1-297
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TMEM164 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TMEM164 Protein expressed in mammalian cells.
Sequence:	MSRYSYQSLLDWLYGGVDPSFAGNGGPDCAFLSWQQRLLSVVVLTLALLEILVALRHLRQTKEDGRGSPGSQPEQVTRPEEGKESLSKNLLLVALCLTFGVEVGFKFATKTVIYLLNPCHLVTMMHIFLLACPPCRGAIWVFKLQMHMLNGALLALLFPVVNTRLLPFELEIYYIQHVMLYVWPIYLLWKGAYTPEPLSSFRWALLSTGLMFFYHFSVLQILGLVTEVNLNNMLCPAISDPFYGPWYRIWASGHQTLMTMTHGKLVILFSYMAGPLCKYLLDLLRLPAKKID 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:

Product Details

- 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)
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Grade:	custom-made
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Target Details

Target:	TMEM164
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Alternative Name:	TMEM164 (TMEM164 Products)
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Background:	Transmembrane protein 164,FUNCTION: Positive regulator of ferroptosis. Selectively mediates ATG5-dependent autophagosome formation during ferroptosis, rather than during starvation, and regulates the degradation of ferritin, GPX4 and lipid droplets to increase iron accumulation and lipid peroxidation, thereby promoting ferroptotic cell death. {ECO:0000269 PubMed:35947500}.
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Molecular Weight:	33.5 kDa
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UniProt:	Q5U3C3
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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.
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Restrictions:	For Research Use only
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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