Datasheet for ABIN7561589

Transmembrane Protein 47 (TMEM47) (AA 1-181) protein (His tag)

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Overview

Quantity:	1 mg
Target:	Transmembrane Protein 47 (TMEM47)
Protein Characteristics:	AA 1-181
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Tmem47 Protein expressed in mammalien cells.
Sequence:	MASAGSGMEE VRVSVLTPLK LVGLVCIFLA LCLDLGAVLS PAWVTADHQY YLSLWESCRK PANLDIWHCE STLGSDWQIA TLALLLGGAA IILIAFLVGL ISICVGSRRR FYRPVAVMLF AAVVLQVCSL VLYPIKFIET VSLKIYHEFN WGYGLAWGAT IFSFGGAILY CLNPKNYEDY Y **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

	• 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, Western Blot
Grade:	custom-made

Target Details

Target:	Transmembrane Protein 47 (TMEM47)
Alternative Name:	Tmem47 (TMEM47 Products)
Background:	Transmembrane protein 47 (Transmembrane 4 superfamily member 10),FUNCTION: Regulates cell junction organization in epithelial cells. May play a role in the transition from adherens junction to tight junction assembly. May regulate F-actin polymerization required for tight junctional localization dynamics and affect the junctional localization of PARD6B (PubMed:26990309). During podocyte differentiation may negatively regulate activity of FYN and subsequently the abundance of nephrin (PubMed:21881001). {ECO:0000269|PubMed:21881001, ECO:0000269|PubMed:26990309}.
Molecular Weight:	20.0 kDa
UniProt:	Q9JJG6

Application Details

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

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