

Datasheet for ABIN7562938

MPV17 Protein (AA 1-176) (His tag)



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Overview

Quantity:	1 mg
Target:	MPV17
Protein Characteristics:	AA 1-176
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPV17 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mpv17 Protein expressed in mammalian cells.
Sequence:	MALWRAYQRA LAAHPWKVQV LTAGSLMGVG DMISQQLVER RGLQQHQAGR TLTMVSLGCG FVGPPVGGWY KVL D H L P G T K V H A L K K M L L D Q G G F A P C F L G C F L P L V G I L N G M S A Q D N W A K L K R D Y P D A L I T N Y Y L W P A V Q L A N F Y L V P L H Y R L A V V Q C V A I V W N S Y L S W K A H Q F 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

Product Details

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:	MPV17
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Alternative Name:	Mpv17 (MPV17 Products)
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Background:	Protein Mpv17 (Mpv-17),FUNCTION: Non-selective channel that modulates the membrane potential under normal conditions and oxidative stress, and is involved in mitochondrial homeostasis (By similarity). Involved in mitochondrial deoxynucleoside triphosphates (dNTP) pool homeostasis and mitochondrial DNA (mtDNA) maintenance (PubMed:26760297). May be involved in the regulation of reactive oxygen species metabolism and the control of oxidative phosphorylation (Probable). {ECO:0000250 UniProtKB:P39210, ECO:0000269 PubMed:26760297, ECO:0000305 PubMed:7957077}.
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Molecular Weight:	19.7 kDa
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UniProt:	P19258
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Pathways:	Sensory Perception of Sound
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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