

Datasheet for ABIN7552229

AQP9 Protein (AA 1-295) (His tag)



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Overview

Quantity:	1 mg
Target:	AQP9
Protein Characteristics:	AA 1-295
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AQP9 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat AQP9 Protein expressed in mammalian cells.
Sequence:	<p>MQPEGAEEKGK SFKQRLVLKS SLAKETLSEF LGTFILIVLG CGCVAQAILS RGRFGGVITI NVGFSMAVAM AIYVAGGVSG GHINPAVSLA MCLFGRMKWF KLPFYVGAQF LGAFVGAATV FGIYYDGLMS FAGGKLLIVG ENATAHIFAT YPAPYLSLAN AFADQVVATM ILLIIVFAIF DSRNLGAPRG LEPIAIGLLI IVIASSLGLN SGCAMNPARD LSPRLFTALA GWGFEVFRAG NNFWWIPVVG PLVGAVIGGL IYVLVIEIHH PEPDSVFKTE QSEDKPEKYE LSVIM 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.</p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	AQP9
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Alternative Name:	AQP9 (AQP9 Products)
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Background:	Aquaporin-9 (AQP-9) (Aquaglyceroporin-9) (Small solute channel 1),FUNCTION: Forms a water channel with a broad specificity. Also permeable glycerol and urea. Mediates passage of a wide variety of small, non-charged solutes including carbamides, polyols, purines, and pyrimidines. {ECO:0000269 PubMed:10564231, ECO:0000269 PubMed:30420639, ECO:0000269 PubMed:9514918}.
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Molecular Weight:	31.4 kDa
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UniProt:	O43315
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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.
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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