

Specifications:

Gene:	<i>h</i> AQP4
Accession:	NP_001641.1
Insert size:	985bp
Concentration:	10µg at 0.2µg/µL

*h*Aquaporin 4/AQP4 cDNA Plasmid

AQP4 aquaporin 4 [*Homo sapiens* (human)]

Also known as: MIWC; WCH4

Summary:

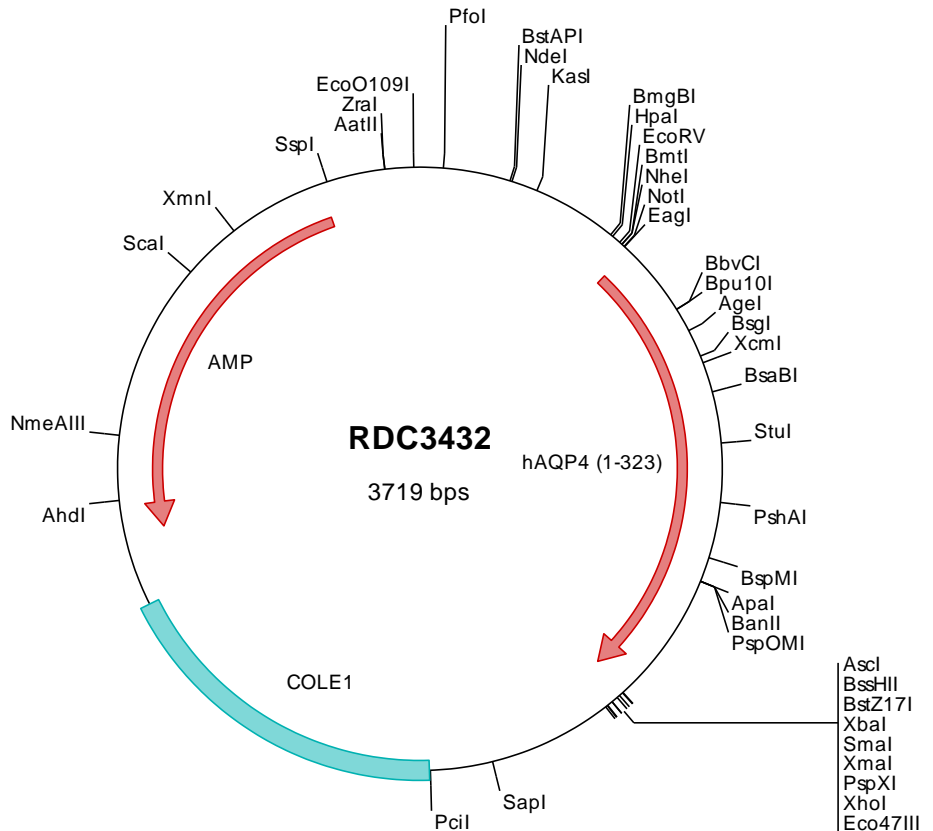
AQP4 is a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. It is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping Ships at ambient temperature
Stability 1 year from date of receipt when stored at -20°C to -80°C
Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3432 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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3701 atcacgagcc cctttctgct

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> RDC3432 Translated Insert Sequence

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201 hlfainytda smnparsfgp avimgnwenh wiywvpiig avlagglyey vfcpdvefkr rfkeafskaa qtkgksymev ednrsvqvetd dlilkpvgvh
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