

Datasheet for ABIN7540237

Aquaporin 4 Protein (AQP4) (AA 1-323) (GST tag)[Go to Product page](#)

Overview

Quantity:	2 µg
Target:	Aquaporin 4 (AQP4)
Protein Characteristics:	AA 1-323
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aquaporin 4 protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Affinity Purification (AP), Antibody Array (AA)

Product Details

Purpose:	AQP4 (Human) Recombinant Protein (P01)
Sequence:	MSDRPTARRW GKCGPLCTRE NIMVAFKGVW TQAFWKAVTA EFLAMLIFVL LSLGSTINWG GTEKPLPVDM VLISLCFGLS IATMVQCFGH ISGGHINPAV TVAMVCTRKI SIAKSVFYIA AQCLGAIIGA GILYLVTPPS VVGGLGVTMV HGNLTAGHGL LVELIITFQL VFTIFASCDS KRTDVTGSIA LAIGFSAIG HLFAINYTGA SMNPARSFGP AVIMGNWENH WIYWVGPIIG AVLAGGLYEY VFCDVEFKR RFKEAFSKAA QQTKGSYMEV EDNRSQVETD DLILKPGVVH VIDVDRGEEK KGKDQSGEVL SSV
Characteristics:	Human AQP4 full-length ORF (AAH22286.1, 1 a.a. - 323 a.a.) recombinant protein with GST tag at N-terminal.
Purification:	in vitro wheat germ expression system

Target Details

Target:	Aquaporin 4 (AQP4)
Alternative Name:	AQP4 (AQP4 Products)
Background:	Synonyms: HMIWC2,MGC22454,MIWC Gene Description: aquaporin 4 Gene Name: AQP4 Gene Summary: This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. The encoded protein is the predominant aquaporin found in brain. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. GenBank: BC022286.1, AAH22286.1
Molecular Weight:	61.2 kDa (theoretical)
Gene ID:	361
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-80 °C
Storage Comment:	Best use within three months from the date of receipt of this protein.