

Recombinant Human AQP4 protein, His-tagged

Cat. No. AQP4-9731H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP4(253-323aa) fused with His tag at N-terminal was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	253-323aa
Description	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.
Molecular Mass	23.98kD
AA Sequence	CPDVEFKRRFKEAFSKAAQQTGSGYMEVEDNRSQVETDDLILKPGVVHVIDVDRGE EKKGKDQSGEVLSSV
Storage	If store at 2-8 centigrade, no more than 1 month; If store at -80 centigrade, no more than 12 month. Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	AQP4 aquaporin 4 [Homo sapiens]
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Official Symbol	AQP4
Synonyms	AQP4; aquaporin 4; aquaporin-4; MIWC; WCH4; aquaporin type4; mercurial-insensitive water channel; HMIWC2; MGC22454;
Gene ID	361
mRNA Refseq	NM_001650
Protein Refseq	NP_001641
MIM	600308
UniProt ID	P55087
Chromosome Location	18q11.2-q12.1
Pathway	Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Regulation of Water Balance by Renal Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Vasopressin-regulated water reabsorption, organism-specific biosystem;
Function	transporter activity; water channel activity; water transmembrane transporter activity;

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