

Recombinant Human AQP4 protein, GST-tagged

Cat. No. AQP4-734H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AQP4 full-length ORF (AAH22286.1, 1 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. This protein is the predominant aquaporin found in brain and has an important role in brain water homeostasis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2015]
Molecular Mass	61.2 kDa
AA Sequence	MSDRPTARRWGKCGPLCTRENIMVAFKGVWTQAFWKAVTAEFLAMLIFVLLSLGSTI NWGGTEKPLPVDMLISLCFGLSIATMVQCFCGHISGGHINPAVTVAMVCTRKISIAKS VFYIAAQCLGAIIGAGILYLVTTPPSVVGGLGVTMVHGNLTAGHGLLVELIITFQLVFTIF ASCDKRTDVTGSIALAIGFSVAIGHLFAINYTGASMNPARSFGPAVIMGNWENHWIY WVGPIIGAVLAGGLYEYVFCPDVEFKRRFKEAFSKAAQQTGKGSYMEVEDNRSQVET DDLILKPGVVHVIDVDVRGEEKKGKDQSGEVLSSV

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	AQP4 aquaporin 4 [Homo sapiens]
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

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