

Recombinant Human AQP9, His-tagged

Cat. No. AQP9-9786H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP9 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-85a.a.
Description	The aquaporins are a family of water-selective membrane channels. The protein encoded by this gene allows passage of a wide variety of noncharged solutes. It stimulates urea transport and osmotic water permeability; there are contradicting reports about its role in providing glycerol permeability. The encoded protein may also play a role in specialized leukocyte functions such as immunological response and bactericidal activity.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name AQP9 aquaporin 9 [Homo sapiens]

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Official Symbol	AQP9
Synonyms	AQP9; aquaporin 9; aquaporin-9; HsT17287; SSC1; aquaglyceroporin-9; small solute channel 1; AQP-9;
Gene ID	366
mRNA Refseq	NM_020980
Protein Refseq	NP_066190
MIM	602914
UniProt ID	O43315
Chromosome Location	15q
Pathway	Aquaporin-mediated transport, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of Glycerol from Adipocytes to the Liver by Aquaporins, organism-specific biosystem;
Function	amine transmembrane transporter activity; carboxylic acid transmembrane transporter activity; glycerol channel activity; polyol transmembrane transporter activity; porin activity; purine base transmembrane transporter activity; pyrimidine base transmembra

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