Recombinant Human AQP9, His-tagged

Cat. No. AQP9-3607H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Aquaporin-9 (AQP9)
Species	Human
Source	E.Coli/Yeast
ProteinLength	295
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.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of AQP9 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.

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Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	AQP9 aquaporin 9 [Homo sapiens]
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

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	molecules, organism
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 transmembrane transporter activity; transporter activity; water channel activity; water transmembrane transporter activity;

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