

Recombinant Human AQP9 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AQP9-5110H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

AQP9 MS Standard C13 and N15-labeled recombinant protein (NP_066190) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The aquaporins are a family of water-selective membrane channels. This gene encodes a member of a subset of aquaporins called the aquaglyceroporins. This protein allows passage of a broad range of noncharged solutes and also stimulates urea transport and osmotic water permeability. This protein may also facilitate the uptake of glycerol in hepatic tissue. The encoded protein may also play a role in specialized leukocyte functions such as immunological response and bactericidal activity. Alternate splicing results in multiple transcript variants.

Molecular Mass

31.3 kDa

AA Sequence

MQPEGAEKGKSFQRLVLKSSLAKETLSEFLGTFILIVLGCVCVAQAILSRGRFGGVI
 TINVGFSMAVAMAIYVAGGVSGGHINPAVSLAMCLFGRMKWFKLPFYVGAQFLGAF
 VGAATVFGIYYDGLMSFAGGKLLIVGENATAHIFATYPAPYLSLANAFADQVVATMILL
 IIVFAIFDSRNLGAPRGGLEPIAIGLLIIVASSLGLNSGCAMNPARDLSPRLFTALAGWG
 FEVFRAGNNFWWIPVVGPLVGAVIGGLIYVLVIEIHHPEPDSVFKAEQSEDKPEKYEL
 SVIMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	AQP9 aquaporin 9 [Homo sapiens (human)]
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

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SDS-PAGE



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