

## Product datasheet for PH324567

### Aquaporin 9 (AQP9) (NM\_020980) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AQP9 MS Standard C13 and N15-labeled recombinant protein (NP_066190)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224567
Predicted MW:	31.3 kDa
Protein Sequence:	>RC224567 representing NM_020980 Red=Cloning site Green=Tags(s)

MQPEGAEKGKSFKQRLVLKSSLAKETLSEFLGTFILIVLGCGCVAQAAILSRGRFGGVITINVGFSMAVAM  
AIYVAGGVSGGHINPAVSLAMCLFGRMKWFKLPFYVGAQFLGAFVGAATVFGIYYDGLMSFAGGKLLIVG  
ENATAHIFATYPAPYLSLANAFADQVVATMILLIIVFAIFDSRNLGAPRGLEPIAIGLLIIVIASLGLN  
SGCAMNPARDLSPRLFTALAGWGFVFRAGNNFWWIPVVGPLVGAIVIGGLIYVLVIEIHHPEPDSVFKAE  
QSEDKPEKYELSVIM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_066190</a>
RefSeq Size:	2948
RefSeq ORF:	885
Synonyms:	AQP-9; HsT17287; SSC1; T17287
Locus ID:	366



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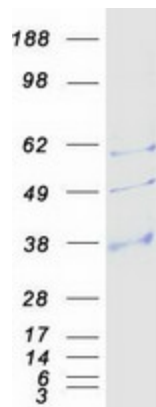
UniProt ID: [O43315](#)

Cytogenetics: 15q21.3

**Summary:** 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. [provided by RefSeq, Mar 2016]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified AQP9 protein (Cat# [TP324567]). The protein was produced from HEK293T cells transfected with AQP9 cDNA clone (Cat# [RC224567]) using MegaTran 2.0 (Cat# [TT210002]).