

## Product datasheet for **TP324567M**

### Aquaporin 9 (AQP9) (NM\_020980) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aquaporin 9 (AQP9), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224567 representing NM_020980 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQPEGAEKGKSFQRLVLKSSLAKETLSEFLGTFILIVLGCVCVAQAILSRGRFSGVITINVGFSMAVAM  
AIYVAGGVSGGHINPAVSLAMCLFGRMKWFKLPFYVGAQFLGAFVGAATVFGIYYDGLMSFAGGKLLIVG  
ENATAHIFATYPAPYLSLANAFADQVVATMILLIIVFAIFDSRNLGAPRGLPIAIGLLIIVIASLGLN  
SGCAMNPARDLSPRLFTALAGWGFVFRAGNNFWWIPVVGPLVGAVIGGLIYVLVIEIHHPEPDSVFKAE  
QSEDKPEKYELSVIM

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	31.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_066190</a>
Locus ID:	366



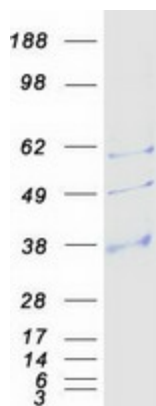
[View online »](#)

UniProt ID: [O43315](#)  
RefSeq Size: 2948  
Cytogenetics: 15q21.3  
RefSeq ORF: 885  
Synonyms: AQP-9; HsT17287; SSC1; T17287

**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]).