

Product datasheet for **TP324567**

Aquaporin 9 (AQP9) (NM_020980) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aquaporin 9 (AQP9), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224567 representing NM_020980 Red =Cloning site Green =Tags(s)

MQPEGAEKGKSFQRLVLKSSLAKETLSEFLGTFILIVLGCVCVAQAILSRGRFSGVITINVGFSMAVAM
AIYVAGGVSGGHINPAVSLAMCLFGRMKWFKLPFYVGAQFLGAFVGAATVFGIYYDGLMSFAGGKLLIVG
ENATAHIFATYPAPYLSLANAFADQVVATMILLIIVFAIFDSRNLGAPRGLPIAIGLLIIVASSLGLN
SGCAMNPARDLSPRLFTALAGWGFVFRAGNNFWWIPVVGPLVGAVIGGLIYVLVIEIHHPEPDSVFKAE
QSEDKPEKYELSVIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	NP_066190
Locus ID:	366



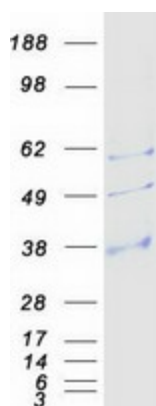
[View online »](#)

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]).