

## Product datasheet for **TP305304**

### Aquaporin 1 (AQP1) (NM\_198098) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aquaporin 1 (Colton blood group) (AQP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205304 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTTVQDNVKVSLAFGLSIATLAQSVGHI SGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAILSGITSSLTGNSLGRNDLADGVNSGQGLG IEIIGTLQLVLCVLATTDRLRRRRDLGGSAPLAIGLSVALGHLLAIDYTGCCINPARSEFGSAVITHNFSNHW IFWVGPFIGGALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDLDDADDINSRVEMKPK</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	28.3 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:	<u><a href="#">NP_932766</a></u>
Locus ID:	358
UniProt ID:	<u><a href="#">P29972</a></u> , <u><a href="#">A0A024RA31</a></u>



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RefSeq Size: 2807

Cytogenetics: 7p14.3

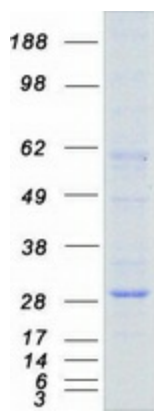
RefSeq ORF: 807

Synonyms: AQP-CHIP; CHIP28; CO

**Summary:** This gene encodes a small integral membrane protein with six bilayer spanning domains that functions as a water channel protein. This protein permits passive transport of water along an osmotic gradient. This gene is a possible candidate for disorders involving imbalance in ocular fluid movement. [provided by RefSeq, Aug 2016]

**Protein Families:** Druggable Genome, Ion Channels: Other, Transmembrane

### Product images:



Coomassie blue staining of purified AQP1 protein (Cat# TP305304). The protein was produced from HEK293T cells transfected with AQP1 cDNA clone (Cat# [RC205304]) using MegaTran 2.0 (Cat# [TT210002]).