

Product datasheet for **TP305304M**

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), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC205304 protein sequence
Red=Cloning site Green=Tags(s)

MASEFKKKLFWRAVVAEFLATTLFVVISIGSALGFKYPVGNNQTTVQDNVKVSLAFGLSIATLAQSVGHI
SGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAILSGITSSLTGNSLGRNDLADGVNSGQGLG
IEIIGTLQLVLCVLATTDRLRRRRDLGGSAPLAIGLSVALGHLLAIDYTGCCINPARSEFGSAVITHNFSNHW
IFWVGPFIGGALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDLDDADDINSRVEMKPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NP_932766](#)

Locus ID: 358

UniProt ID: [P29972](#), [A0A024RA31](#)



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RefSeq Size: 2807

Cytogenetics: 7p14.3

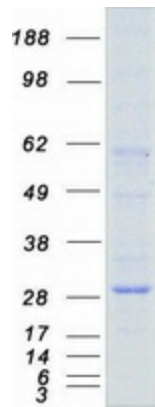
RefSeq ORF: 807

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]).