

Recombinant Full Length Human AQP1 Protein, C-Flag-tagged

Cat. No. AQP1-1221HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AQP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.3 kDa
AA Sequence	<p>MASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTTVQDNVKVSLAFGL SIATLAQSVGHI SGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAILSGITSSL TGNSLGRNDLADGVNSGQGLG IEIIGTLQLVLCVLATTDRRRRDLGGSAPLAIGLSV ALGHLLAIDYTGCGINPARSFGSAVITHNFSNHW IFWVGPFIFGGALAVLIYDFILAPRSSDLTDRVKVWTSGQVEEYDL DADDINSRVEMKP KTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Ion Channels: Other, Transmembrane
Full Length	Full L.

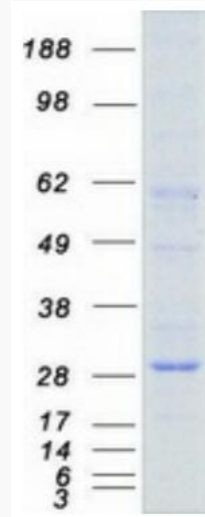
GENE INFORMATION

Gene Name	AQP1 aquaporin 1 (Colton blood group) [Homo sapiens (human)]
Official Symbol	AQP1
Synonyms	CO; CHIP28; AQP-CHIP
Gene ID	358
mRNA Refseq	NM_198098.4
Protein Refseq	NP_932766.1
MIM	107776
UniProt ID	P29972

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Coomassie blue staining of purified AQP1 protein.

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