

Recombinant Human AQP1 Full Length Transmembrane protein, His-SUMO-tagged

Cat. No. AQP1-0193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AQP1 protein(P29972)(2-269aa), fused with N-terminal His-SUMO tag, was expressed in in vitro E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	2-269aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	41.3 kDa
AA Sequence	ASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTAVQDNVKVSLAFGLS IATLAQSVGHISGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAILSGITSSLTG NSLGRNDLADGVNSGQGLGIEIIGTLQLVLCVLATTDRIIRRRDLGGSAPLAIGLSVALG HLLAIDYTGCGINPARSFGSAVITHNFSNHWIFWVGPFIGGALAVLIYDFILAPRSSDL TDRVKVVWTSGQVEEYDL DADDINSRVEMKPK
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name [AQP1 aquaporin 1 \(Colton blood group\) \[Homo sapiens \]](#)

Official Symbol [AQP1](#)

Synonyms AQP1; aquaporin 1 (Colton blood group); aquaporin 1 (channel forming integral protein, 28kDa) , aquaporin 1 (channel forming integral protein, 28kDa, CO blood group) , CO, Colton blood group; aquaporin-1; CHIP28; aquaporin-CHIP; Colton blood group; urine water channel; channel-like integral membrane protein, 28-kDa; water channel protein for red blood cells and kidney proximal tubule; aquaporin 1 (channel-forming integral protein, 28kDa, CO blood group); CO; AQP-CHIP; MGC26324;

Gene ID [358](#)

mRNA Refseq [NM_001185060](#)

Protein Refseq [NP_001171989](#)

MIM [107776](#)

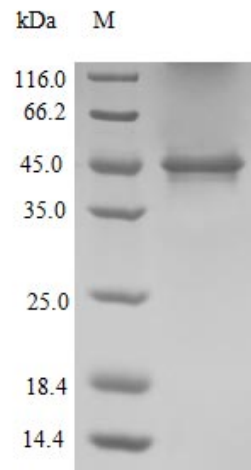
UniProt ID [P29972](#)

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SDS-PAGE



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