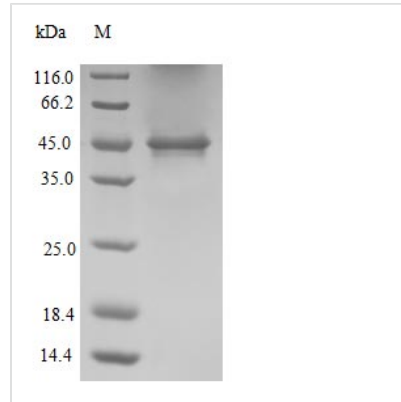




# Recombinant Human Aquaporin-1 (AQP1)

<b>Product Code</b>	CSB-CF001957HU(A4)
<b>Relevance</b>	Forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
<b>Abbreviation</b>	Recombinant Human AQP1 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P29972
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Product Type</b>	Others
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	ASEFKKKLFWRAVVAEFLATTLFVFISIGSALGFKYPVGNNQTAVQDENVK/SLA FGLSIATLAQSVGHISGAHLNPAVTLGLLLSCQISIFRALMYIIAQCVGAIVATAIL SGITSSLTGNSLGRNDLADGVNSGQGLGIEIIGTLQLVLCVLATTDRIIRRRDLGG SAPLAIGLSVALGHLLAIDYTGCGINPARSFGSAVITHNFSNHWIFWVGPFIGGA LAVLIYDFILAPRSSDLTDRVKVWVTSQVVEEYDLDDADDINSRVEMKPK
<b>Research Area</b>	Signal Transduction
<b>Source</b>	in vitro E.coli expression system
<b>Target Names</b>	AQP1
<b>Expression Region</b>	2-269aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	41.3 kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Shelf Life

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