

## Recombinant Rat Aqp1 Protein, His&GST-tagged

**Cat. No.** Aqp1-233R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Aqp1 Protein (Ile184-Lys269) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ile184-Lys269
<b>Description</b>	Enables glycerol transmembrane transporter activity and water channel activity. Involved in several processes, including glycerol transport; lateral ventricle development; and positive regulation of lamellipodium assembly. Located in several cellular components, including basolateral plasma membrane; brush border; and neuronal cell body membrane. Biomarker of artery disease (multiple); autosomal recessive polycystic kidney disease; brain disease (multiple); diabetes mellitus; and uveitis. Orthologous to human AQP1 (aquaporin 1 (Colton blood group)).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 39.7 kDa Accurate Molecular Mass: 42 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

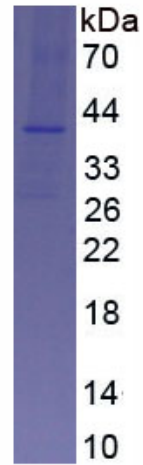
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Aqp1 aquaporin 1 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Aqp1</a>
<b>Synonyms</b>	AQP1; aquaporin 1; aquaporin-1; AQP-1; aquaporin-CHIP; Aquaporin 1 (aquaporin channel forming integral protein 28 (CHIP)); water channel protein for red blood cells and kidney proximal tubule; CHIP28
<b>Gene ID</b>	<a href="#">25240</a>
<b>mRNA Refseq</b>	<a href="#">NM_012778</a>
<b>Protein Refseq</b>	<a href="#">NP_036910</a>
<b>UniProt ID</b>	<a href="#">P29975</a>

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