

Recombinant Rat Aqp2 Full Length Transmembrane protein, His-tagged

Cat. No. Aqp2-1034R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Aqp2 protein(P34080)(1-271aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.
Species	Rat
Source	E.coli
ProteinLength	1-271aa
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	30.4 kDa
AA Sequence	MWELRSIAFSRAVLAEFLATLLFVFFGLGSALQWASSPPSVLQIAVAFGLGIGILVQAL GHVSGAHINPAVTVACLVGCHVSFLRAAFYVAAQLLGAVAGAAILHEITPVEIRGDLA VNALHNNATAGQAVTVELFLTMQLVLCIFASTDERRGDNLGSPALSIGFSVTLGHLLG IYFTGCSMNPARSLAPAVVTGKFDDHWWVFWIGPLVGAIIIGSLLYNYLLFPSAKSLQER LAVLKGLEPDTDWEEREVRRRQSVELHSPQSLPRGSKA
Purity	Greater than 85% 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	Aqp2 aquaporin 2 (collecting duct) [Rattus norvegicus]
Official Symbol	Aqp2
Synonyms	AQP2; aquaporin 2 (collecting duct); aquaporin-2; AQP-CD; WCH-CD; aquaporin-CD; ADH water channel; collecting duct water channel protein; water channel protein for renal collecting duct; AQP-2; MGC156502;
Gene ID	25386
mRNA Refseq	NM_012909
Protein Refseq	NP_037041

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