

Recombinant Mouse Aqp2 Full Length Transmembrane protein, His-tagged

Cat. No. Aqp2-1953M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aqp2 protein(P56402)(1-271aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.
Species	Mouse
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	30.5 kDa
AA Sequence	MWELRSIAFSRAVLAEFLATLLFVFFGLGSALQWASSPPSVLQIAVAFGLGIGTLVQA LGHVSGAHINPAVTVACLVGCHVSFLRAAFYVAAQLLGAVAGAAILHEITPVEIRGDL AVNALHNNATAGQAVTVELFLTMQLVLCIFASTDERRSDNLGSPALSIGFSVTLGHLL GIYFTGCSMNPARS LAPAVVTGKFDDHWVFWIGPLVGAVIGSLLYNYLLFPSTKSLQ ERLAVLKGLEPDTDWEEREVRRRQSVELHSPQSLPRGSKA
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 [Mus musculus]
Official Symbol	Aqp2
Synonyms	AQP2; aquaporin 2; aquaporin-2; AQP-2; aquaporin-CD; ADH water channel; collecting duct water channel protein; water channel protein for renal collecting duct; cph; jpk; AQP-CD; WCH-CD;
Gene ID	11827
mRNA Refseq	NM_009699
Protein Refseq	NP_033829

SDS-PAGE

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