

Recombinant Full Length Human Aquaporin-2(Aqp2) Protein, His-Tagged

Cat. No. RFL-15495HF **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | Recombinant Full Length Human Aquaporin-2(AQP2) Protein (P41181) (1-271aa), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Full Length (1-271) |
| Form | Lyophilized powder |
| AA Sequence | MWELRSIAFSRAVFAEFLATLLFVFFGLGSALNWPQALPSVLQIAMAFGLGIGTLVQALGHISGAHINPAVTVAACLVGCHVSVLRAAFYVAAQLLGAVAGAALLHEITPADIRGDLAVNALSNSTTAGQAVTVELFLTLQLVLCIFASTDERRGENPGTPALSIGFSVALGHLLGIHYTGCSMNPARSLAPAVVTGKFDDHWVFWIGPLVGAILGSLLYNYVLFPPAKSLSERLAVLKGLEPDTDWEEREVRRRQSVLHSPQSLPRGTKA |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Applications | SDS-PAGE |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

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| Storage | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| Storage Buffer | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
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GENE INFORMATION

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| Gene Name | AQP2 |
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| Synonyms | AQP2; Aquaporin-2; AQP-2; ADH water channel; Aquaporin-CD; AQP-CD; Collecting duct water channel protein; WCH-CD; Water channel protein for renal collecting duct |
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| UniProt ID | P41181 |
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