

# Recombinant Human AQP5 Full Length Transmembrane protein, His-tagged

**Cat. No.** AQP5-222H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AQP5 protein(P55064)(1-265aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-265aa                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                     |
| <b>Molecular Mass</b>   | 31.1 kDa                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MKKEVCSVAFLKAVFAEFLATLIFVFFGLGSALKWPSALPTILQIALAFGLAIGTLAQAL<br>GPVSGGHINPAITLALLVGNQISLLRAFFYVAAQLVGAIAGAGILYGVAPLNARGNLAV<br>NALNNNTTQGQAMVVELILTFQLALCIFASTDSRRTSPVGSPALSIGLSVTLGHLVGIY<br>FTGCSMNPARSFGPAVVMNRFSPAHHWVFWVGPIVGAVLAAILYFYLLFPNSLSLSER<br>VAIIKGTYPDEDWEEQREERKKTMELTTR |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                               |

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|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                            |
| <b>Reconstitution</b> | 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. |

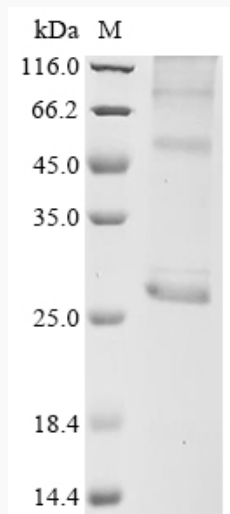
## GENE INFORMATION

|                        |                                        |
|------------------------|----------------------------------------|
| <b>Gene Name</b>       | AQP5 aquaporin 5 [ Homo sapiens ]      |
| <b>Official Symbol</b> | AQP5                                   |
| <b>Synonyms</b>        | AQP5; aquaporin 5; aquaporin-5; AQP-5; |
| <b>Gene ID</b>         | 362                                    |
| <b>mRNA Refseq</b>     | NM_001651                              |
| <b>Protein Refseq</b>  | NP_001642                              |
| <b>MIM</b>             | 600442                                 |
| <b>UniProt ID</b>      | P55064                                 |

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**SDS-PAGE**

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