

# Recombinant Full Length Milnesium Tardigradum Aquaporin-2(Aqp2) Protein, Tag-Free

**Cat. No.** RFL4584MF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Milnesium tardigradum Aquaporin-2(AQP2) Protein (G5CTF9) (1-323aa) was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Milnesium tardigradum (Water bear) (Tardigrade)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full Length (1-323)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MCISEGKMDWRSWLRKKFQVRSQLLRGCMAEFLAVFVLMVFTEGCSASAIETHRR<br>NDLLFAAFGSGLAVTMAVYVAGGVTGAFLNPAIAVAFSVLGKLPWKNCFCYMIAQYL<br>GAFLASLAIYAQYYDALNIFDGGHRQVLGDNGTAQIWSTYPQAFLSPQGAFVDQVF<br>GTALLIIVVLSMVDKKNWKPQNGYFPIAIGLLIVVLDISLAYNAGAALNPSRDLAPRLFT<br>YVAGYGTETFSVKGYTWFFVPVVGSHAGAIVGAVIYQLFIGAQWPQDDLDDSNSVS<br>SMSIHEKNFSLAKRKNTNRFNLDITRDFKERNGISTVLY Note: The complete sequence including tag sequence, target protein sequence and linker sequence could be provided upon request. |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | 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. |

## GENE INFORMATION

|                   |                        |
|-------------------|------------------------|
| <b>Gene Name</b>  | AQP2                   |
| <b>Synonyms</b>   | AQP2Aquaporin-2; AQP-2 |
| <b>UniProt ID</b> | <a href="#">G5CTF9</a> |

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