

# 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>	MCISEGKMDWRSWLRKKFQVRSQLLRGCMAEFLAVFVLMVFTEGCSASAIPTHRR NDLLFAAFGSGLAVTMAVYVAGGVTGAFLNPAIAVAFSVLGKLPWKNCFCYMIAQYL GAFLASLAIYAQYYDALNIFDGGHRQVLGDNGTAQIWSTYPQAFLSPQGAFVDQVF GTALLIIVVLSMVDKKNWKPQNGYFPPIAIGLLIVVLDISLAYNAGAALNPSRDLAPRLFT YVAGYGTETFSVKGYTWFFVPVVGSHAGAIVGAVIYQLFIGAQWPQDDLDDSNVS SMSIHEKNFSLAKRKNTRNFNLDITRDFKERNGISTVLY 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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