

# Recombinant Full Length Sheep Lens Fiber Major Intrinsic Protein(Mip) Protein, His-Tagged

**Cat. No.** RFL91OF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Sheep Lens fiber major intrinsic protein(MIP) Protein (Q6J8I9) (1-263aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                  |
| <b>Species</b>          | Sheep                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-263)                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MWELRSASFWRAIFAEFFATLFYVFFGLGASLRWAPGPLHVLQVALAFGLALATLVQ<br>AVGHISGAHVNPVTF AFLVGSQMSLLRAICYVVAQLLGAVAGAAVLYSVTPPAVRG<br>NLALNTLHPGVSVGQATIVEIFLTLQFVLCIFATYDERRNGRLGSVALAVGFSLT LGHL<br>FGMYTGTAGMNPARSFAPAILTRNFTNHWVYWVG PVIGAGLGSLLYDFLLFPRLKS<br>VSERLSILKGTRPSESNGQPEVTGEPVELKTQAL |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                               |
| <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.                                                                                                                                                                            |

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|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | 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.

**GENE INFORMATION****Gene Name**

MIP

**Synonyms**

MIP; AQP0; Lens fiber major intrinsic protein; Aquaporin-0

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