

## MreB Protein, Acinetobacter baumannii, Recombinant(His)

### General Information

Synonyms: Cell shape-determining protein MreB;mreB

Protein Construction: 1-346 aa

Species: Acinetobacter baumannii

Expression Host: E. coli

Accession: A0A062IAC9

Molecular Weight: 43.6 kDa (predicted)

AA Sequence:

MILKRLIGLFPDLAIDLGTANTLIYAPGRGIILNEPTVVVAIRHSGSQKIVA AVGLDAKQMLGRTPANISAIRPMK  
DGVIADFEVTETMLNQFIGKVEKRLFPAPRVVVCVPCSTLVERRAIREAVFNAGARDVRLIEEPMAAAIGA  
GMPVEQACGSMVVDVGGGTTEIAIISLQGCYADSLRIGGDVFDEQIIINYVRKAHGCVIGETTAEIIKKEVGM AV  
SDGTTLEIEVRGRNLAEGVPRAITVTSDEITQAISDPLQSI VSAVKSALEQTPPELSSDIAERGIVLTGGGALLRNL  
DKLLAQETGLPVVVAEDPLTCVTRGGGKVLFFDNPNDMLFVG

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.

Formulation: Lyophilized from a 0.2  $\mu$ m sterile filtered PBS, 6% Trehalose, pH 7.4.

### Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100  $\mu$ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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