

MBP-C Protein, Bovine, Recombinant (His)

General Information

Synonyms: Mannan-binding protein;MBL;Mannose-binding protein C;MBP-C

Protein Construction: 21-249 aa

Species: Bovine

Expression Host: Baculovirus Insect Cells

Accession: O02659

Molecular Weight: 26.9 kDa (predicted)

AA Sequence: DTETENCENIRKTCPIACGPPGINGIPGKDGRDGAKGEKGEPPGQLRGSQGGPKMGPQGTPGIPGIPGPIGQKGDPGENMGDIYRLATSERATLQSELNQIKNWLIFSLGKRVGKKAFFFTNGKKMPFNEVKTLCAQFQGRVATPMNAEENRALKDLVTEEAFLGITDQETEGKFVDLTGKGVTYQNWNDGEPNNASPGEHCVTLTLLSDGTWNDIACSASFLLVCEFSL

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/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

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.

Protein Background

Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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