

Certificate of Analysis

Product: Protein Molecular Weight Marker, 14-120 kDa

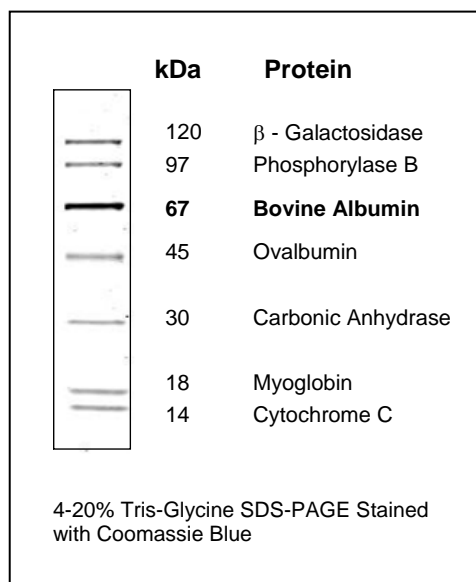
Code: MB-201-0200

Lot # 18789

Size: 200 µl

Physical State: Liquid (in 1x Loading Buffer)

Background: This protein molecular weight marker is a cocktail containing seven purified proteins that range in size from 14 to 120 kDa and thus span a molecular weight range common to most proteins and protein subunits. The protein mixture has been formulated to yield well-defined bands after SDS-polyacrylamide gel electrophoresis and staining with Coomassie blue or other common staining techniques. The intensity of the 67 kDa bovine albumin band has been increased to serve as a reference. The product is supplied in 1X loading buffer and is ready-to-use.



Buffer Composition: 62.5 mM Tris-HCl, pH 6.8, 2% (w/v) SDS, 250 mM NaCl, 1mM EDTA, 4% (v/v) β-Mercaptoethanol, 35% (v/v) Glycerol and 0.05% (w/v) bromophenol blue

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Application(s): This product is designed for use in accurate estimation of protein molecular weight in SDS-polyacrylamide gel electrophoresis and western blotting.

Recommendations for Loading: Thaw the cocktail at room temperature. Gently invert vial several times to ensure that the solution is homogeneous and that any precipitated material is re-dissolved. A loading volume of 5-10 µl is appropriate for most gel formats. The markers are optimized for use with Coomassie blue staining, but the loading volume can be adjusted for compatibility with other staining methods (i.e. silver staining).

Storage Conditions: Store vial at -20° C. Expiration date is six (6) months from date of opening container.

Related Products:

#MB-017	10X SDS-PAGE Running Gel Buffer
#MB-018	2X SDS-PAGE Sample Buffer without DTT or β-MeOH
#MB-015	10% (w/v) Sodium Dodecyl Sulfate (SDS)
#MB-022-1000	1X SDS-PAGE Destain Solution
#MB-070	Blocking Buffer for Fluorescent Western Blotting
#611-703-127	Peroxidase Conjugated Affinity Purified Anti-RABBIT IgG (H&L) (DONKEY) MX10
#610-103-121	Peroxidase Conjugated Affinity Purified Anti-MOUSE IgG (H&L) (GOAT) MX10
#S000-03	PEROXIDASE Conjugated STREPTAVIDIN
#MB-008	10X PBS pH 7.2

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.