

## Protein Marker II (6.5 – 200) prestained

Protein size marker for gel electrophoresis

Product No. A5418

## **Description**

This is a ready-to-use marker containing covalently, prestained proteins. The product contains formamide. Apply  $5 \mu l$  of this marker on a mini-gel ( $10 \times 10 \text{ cm}$ , 1 - 0.75 mm thickness, 7 mm slot).

Supplied in gel loading buffer, ready-to-use. Packing Size: 250  $\mu$ l; article no. A5418,0250

**Storage:** 2-8°C for max. 1 month, long term storage -20°C

Please note that several times freezing and thawing will reduce the product quality. It is

recommended to prepare small aliquots.

Applications: Sizing of proteins on SDS-polyacrylamide gels and Western blots,

Monitoring of protein migration during SDS-PAGE,

Verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose),

Sizing of proteins on SDS-polyacrylamide gels and Western blots

Composition: acetylated proteins (0.1-0.2 mg/mL each), prestained, in Laemmli buffer (50mM Tris pH 6.8,

2% SDS, 0.01 % Bromophenol blue, 10 % Sucrose) supplied with 8.7% Glycerol

8 Bands, blue (10, 16, 23, 30, 48, 90, 120, 240 kDa)

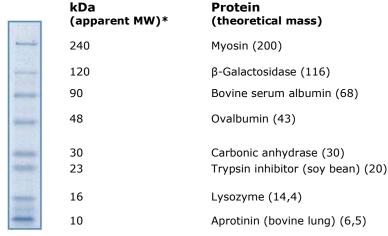
## **Instructions for Use**

- Thaw at RT or 37°C for a few minutes. Do not boil.
- For SDS-PAGE and Western transfer load 5 µl (mini gel) per well.

**Note:** The covalent coupling of the dye leads to a change in apparent molecular mass compared to the non-stained protein. The apparent molecular masses of Protein Marker II may vary depending on acrylamide concentrations and buffer conditions.

For exact determination of molecular masses we suggest to use non-prestained products.

**Note:** The transfer of proteins during blotting depends on their size. Lysozyme is fully transferred after 30 minutes, while myosin requires 2.5 hours (1 V/cm²).



<sup>\*:</sup> Assay conditions: 4-20% Tris-Glycin Gel