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 µl of this marker on a mini-gel (10 x 10 cm, 1 - 0.75 mm thickness, 7 mm slot).

Supplied in gel loading buffer, ready-to-use.
Packing Size: 250 µl; 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).

kDa (apparent MW)*	Protein (theoretical mass)
240	Myosin (200)
120	β-Galactosidase (116)
90	Bovine serum albumin (68)
48	Ovalbumin (43)
30	Carbonic anhydrase (30)
23	Trypsin inhibitor (soy bean) (20)
16	Lysozyme (14,4)
10	Aprotinin (bovine lung) (6,5)

***: Assay conditions:** 4-20% Tris-Glycin Gel