TIANGEN®

MP210831

Pre-stained Protein Marker II (19~117 kDa)

Cat. no. 4992952

Storage: -30~-15°C for 1 year.

Concentration: 0.2~0.4 µg /µl of each protein.

Product size

Pre-stained Protein Marker II (Blue)	100 µl (20 lanes)

Description

TIANGEN Pre-stained Protein Marker II is a blue color protein molecular weight standard with six pre-stained recombinant proteins covering a range from 19 kDa to 117 kDa.

TIANGEN Pre-stained Protein Marker II is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western Blot transfer efficiency and for approximately sizing of proteins.

The marker is supplied in gel loading buffer and is ready-to-use. Do not heat, dilute, or add reducing agent before loading.

Storage buffer

62.5 mM Tris-HCl (pH 7.5), 1 mM EDTA, 10 mM DTT, 30 mM NaCl, 33% glycerol, 2% SDS.

1× SDS-PAGE buffer: 3.0 g Tris base (25 mM), 18.8 g Glycine (250 mM), 1 g SDS, dilute with ddH$_2$O to 1 L.

1× Transfer buffer(Dry transfer): 5.8 g Tris base (48 mM), 2.9 g Glycine (39 mM) , 0.37 g SDS, 20% methanol, dilute with ddH$_2$O to 1 L.

Protocol

1. Thaw the marker at room temperature or 37~40 °C for a few minutes to dissolve precipitated solids. Do not boil.
2. Mix gently but thoroughly, to ensure the solution is homogeneous.
3. Load 5 µl of the marker per well for gel with a thickness of 1.0 mm. The loading volume should be increased for thicker gels.
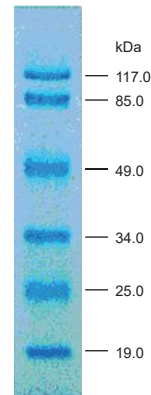
Electrophoresis

12%~15% SDS-PAGE gel is recommended. The electrophoresis should proceed 30~50 min at the voltage of 120~200 V.

Notes

1. Excessive electrophoresis run time may cause the diffusion of the protein bands.
2. Pre-stained Protein Marker II is not suited for long-time (overnight) Western transfer in low voltage.

Pre-stained Protein Marker II (19~117 kDa)

kDa
117.0
85.0
49.0
34.0
25.0
19.0

12% Tris-glycine SDS-PAGE