

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

Cat. no. 4992952

Storage: 4°C (store at -20°C for long term storage)

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

Product size

Pre-stained Protein
Marker II (Blue)

100 μl
(20 lanes)

TIANGEN BIOTECH (BEIJING) CO., LTD.

[HTTP://WWW.TIANGEN.COM/EN](http://www.tiangen.com/en)

The product is used for research only, neither intended for the diagnosis, or treatment of a disease, nor for the food, or cosmetics etc.

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 ddH₂O 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 ddH₂O 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.

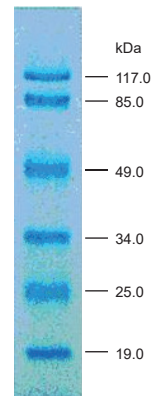
Electrophoresis

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.

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12% Tris-glycine SDS-PAGE