



MP210831

## Pre-stained Protein Marker III (18~94 kDa)

Cat. no. 4992953

Storage: -30~-15°C for 1 year.

Concentration: 0.2~0.3 µg /µl of each protein.

Product size

Pre-stained Protein Marker III (Blue)	200 µl (20 lanes)
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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 III is a protein molecular weight standard mixed with 5 pre-stained proteins covering a range from 18 kDa to 94 kDa, which is 94 kDa, 60 kDa, 45 kDa, 27 kDa, and 18 kDa respectively. TIANGEN Pre-stained Protein Marker III is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis and verification of Western Blot transfer efficiency.

### Storage buffer

30 mM Tris-HCl (pH 7.5), 10 mM EDTA, 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<sub>2</sub>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<sub>2</sub>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 10 µl of the marker per well for gels with a thickness of 1.0 mm. The loading volume should be increased for thicker gels.

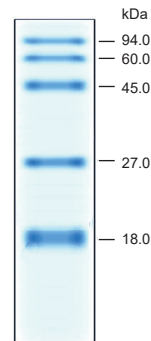
### Electrophoresis

12~15% SDS-PAGE, 120~200 V for 30~50 min (Mini Electrophoresis System)

### Note

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

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12% SDS-PAGE