TIANGEN®

MP210831

Protein Marker (14.4~94.0 kDa)

Cat. no. 4992951

Storage: -30~-15°C for 1 year.

Concentration: 0.1~0.2 μg /μl of each protein.

Product size

Protein Marker	200 μl (20 lanes)

TIANGEN BIOTECH (BEIJING) CO., LTD.
HTTP://WWW.TIANGEN.COM/EN

Description

TIANGEN Protein Marker is a protein solution purified and mixed by seven kinds of proteins. The molecular weight range is 14.4~94.0 kDa. After SDS-polyacrylamide gel electrophoresis, seven protein bands can be obtained by Coomassie Brilliant Blue R-250 staining.

The marker is supplied in gel loading buffer and is ready-to-use. Before use, please put the Protein Marker at room temperature for several minutes, thoroughly dissolve and flick and mix it without heating. Load 10 μl Protein Marker gel (1 mm thick mini-gel) for electrophoresis. If the sample well is large, the amount of Protein Marker can be increased properly. It is easy to use and the electrophoretic image is clear.

Storage Buffer

62.5 mM Tris-HCl (pH 7.0), 5 mM EDTA, 50 mM DTT, 30 mM NaCl, 0.01% Bromophenol Blue, 50% 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_2O 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_2O to 1 L.

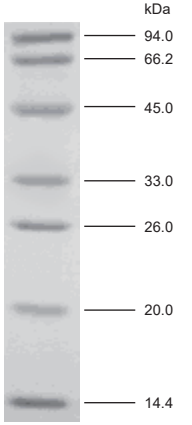
Protocol

Directly load 10 μl of the Protein Marker to the sample well of SDS-polyacrylamide gel. It is recommended to use 12% of the separation gel with a voltage of 120~200 V. Too low a voltage will lead to the dispersion of small molecular weight protein bands.

Notes

1. The Protein Marker can be stained with Coomassie Brilliant Blue R-250.
2. If additional bands appear in the marker, please add the newly prepared DTT to make the final concentration of 100 mM. The oxidation of DTT in the storage buffer easily leads to the appearance of extra bands in marker.

Protein Marker (14.4~94.0 kDa)



12% Tris-glycine SDS-PAGE