

3-Color Prestained Protein Marker (10-190 kDa)

1 Contents

Contents	Product Name	Package
HY-K1011-250 µL	3-Color Prestained Protein Marker (10-190 kDa)	250 µL
HY-K1011-500 µL	3-Color Prestained Protein Marker (10-190 kDa)	250 µL × 2
HY-K1011-1 mL	3-Color Prestained Protein Marker (10-190 kDa)	250 µL × 4

2 General Information

MCE 3-Color Prestained Protein Marker (10-190 kDa) is a three-color protein standard with 10 prestained proteins ranging from 10 kDa to 190 kDa. It has 8 blue-stained bands and 2 reference bands (one green and one orange band at 23 kDa and 65 kDa respectively). This Protein Marker is designed for monitoring protein separation during SDS-PAGE, confirming Western blot transfer efficiency on membranes (PVDF or nitrocellulose membrane) and for approximating the size of target proteins on the gel or blot.

MCE 3-Color Prestained Protein Marker is supplied in gel loading buffer and ready to use, with no heating, diluting or additional reducing agent necessary. The storage buffer consists of 25 mM Tris-H₃PO₄ (pH 7.5), 1 mM EDTA, 2% (w/v) SDS, 10 mM DTT, 1 mM Na₂S₂O₅, 33% (v/v) glycerol.

3 General Protocol

- 1) Thaw 3-Color Prestained Protein Marker at room temperature for a few minutes to dissolve precipitated solids. Do not boil!
- 2) Mix thoroughly to ensure the solution is homogeneous.
- 3) Load 5 µL of 3-Color Protein Marker per well for SDS-PAGE.

4 Storage

Store at -20°C 1 year
Avoid repetitive freeze-thaw cycles while using.

5 Precautions

1. Prestained proteins have different mobilities and different apparent molecular weight when run in distinct SDS-PAGE buffer systems.
2. Longer transfer times or higher transfer voltages may be required for Western blotting of large (>100 kDa) proteins.
3. This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

6 Migration Patterns of 3-Color Prestained Protein Marker (10-190 kDa)

