

250 kDa Plus Prestained Protein Marker

MP202



Version 23.1

Product Description

The 250 kDa Plus Prestained Protein Marker is a prestained mixture of eleven recombinant proteins ranging from 12 kDa to 250 kDa. Three different chromophores (orange-red, blue and green) are bound to the proteins, producing a brightly colored marker.

Components

Components	MP202-01 (100 rxns)	MP202-02 (500 rxns)
250 kDa Plus Prestained Protein Marker	2 × 250 µl	10 × 250 µl

Storage

Store at -30 ~ -15°C and transport at ≤0°C.

Applications

It is applicable for protein electrophoresis (SDS-PAGE) and western blotting as size standards.

Notes

For Research Use Only. Not for use in diagnostic procedures.

1. The protein marker is conveniently packaged and ready to use with no heating, diluting or additional reducing agent necessary.
2. Longer transfer times or higher transfer voltages may be required for western blotting of large (>100 kDa) proteins.
3. Prestained proteins can have different mobilities in various SDS-PAGE-buffer systems. However, they are suitable for approximate molecular weight determination when calibrated against unstained standards in the same system. See the table provided for migration patterns in different electrophoresis conditions.
4. It is compatible with various buffers, such as Tris-Glycine, MOPS and MES.
5. Please wear disposable gloves and lab coats for your safety.
6. It is recommended to use 12% gels for protein electrophoresis.

Experiment Process

1. Thaw the marker at room temperature for a few minutes. Do not boil! Mix gently, but thoroughly, to ensure the solution is homogeneous.
2. The recommended loading volume is 5 µl/well. If the well is wider or the gel is thicker, the volume can be appropriately increased.



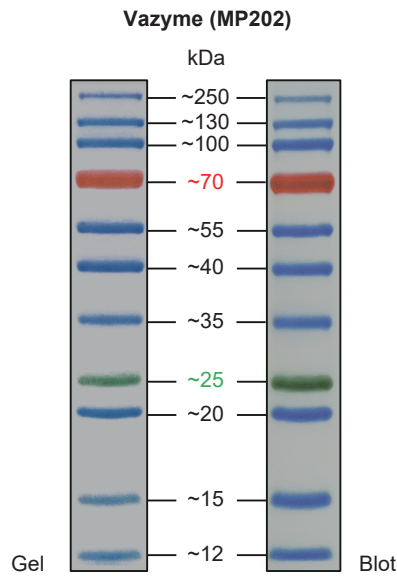


Fig 1. 12% Tris-glycine SDS-PAGE

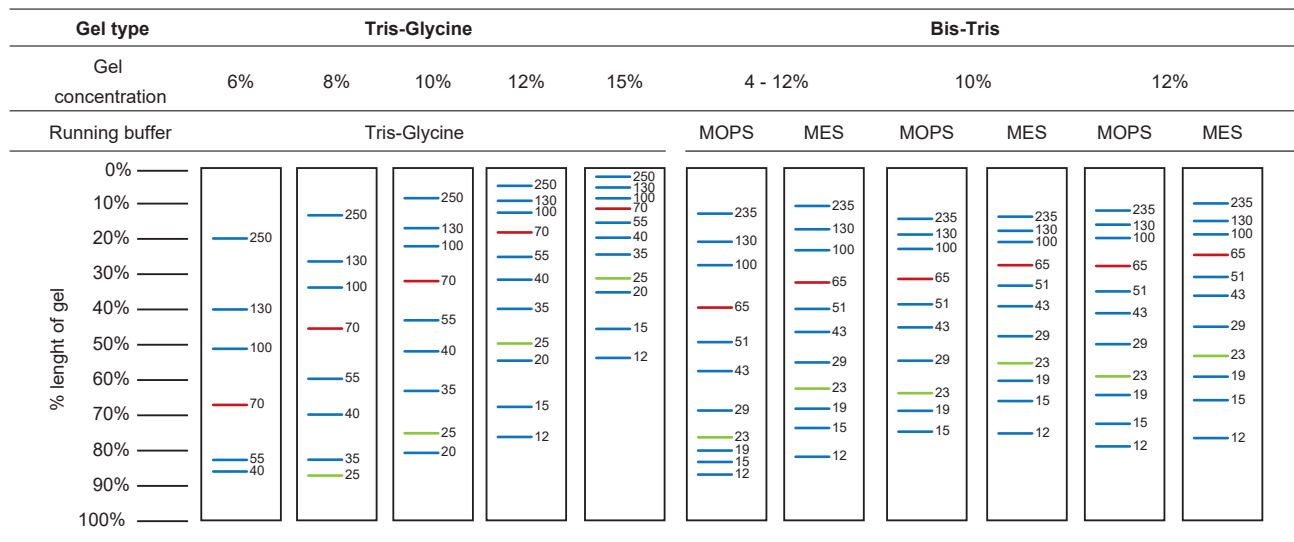


Fig 2. Migration Patterns of 250 kDa Plus Prestained Protein Marker

