

Prestained Protein Marker I

Catalog No. PPMI100

Ready-to-use Premix in 500µl gel loading buffer, **Single Color**



Product Description:

Prestained Protein Marker I, low molecular weight range, resolved to 6 sharp bands when analyzed by SDS-polyacrylamide gel electrophoresis, is a mixture of purified proteins covalently coupled to blue chromophore. It consists of 6 proteins ranging in apparent molecular weight from approximately 15 kD to 100 kD. Prestained Protein Marker I is supplied in gel loading buffer and ready-to-use.

Applications:

- Molecular weight estimation
- Monitoring protein transfer efficiency onto membranes during Western blotting
- Monitoring electrophoresis separation

Recommended Usage:

- Thaw the Marker either at room temperature or 37-40°C for 1 minute if any solids was precipitated at -20°C.
- After a quick spin, load directly onto a gel:
 - **For blotting:** load 3 µl for mini-gels and 6 µl for full length gels.
 - **For visualizing** during electrophoresis: load 5 µl for mini-gels and 10 µl for full length gels.

Quality Control:

- Tested in SDS-polyacrylamide gel electrophoresis and Western blotting



Effective Size Range: 15 kD to 100 kD

Contents:

- 0.2-0.8 mg/ml of each protein
- 70 mM Tris-HCl (pH 6.8)
- 33mM NaCl
- 1 mM EDTA
- 2% SDS
- 5 % 2-mercaptoethanol
- 10% glycerol

Storage Condition:

- Aliquot to prevent freeze and thaw cycles.
- Shelf Life: One year at -20 °C.

Note:

- **This product is for research use only.**

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Not for use in diagnostic procedures. Ver3.0, 2009
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