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DATA SHEET

Version: 1
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1. Identification

Product name **PriRULER™ Unstained Protein Ladder I (12–80 kDa)**
250 µL

Cat. No **PL0001**

2. Description

This **molecular weight marker** consists of **five unstained recombinant proteins** (**20 kDa, 30 kDa, 40 kDa, 60 kDa, 80 kDa**) and **one prestained blue protein** (**12 kDa**) to facilitate **electrophoresis tracking**. The **40 kDa band is intensified**, serving as a **reference marker** for visualization.

3. Specifications

MW Range: 12–80 kDa
Format: Ready-to-use
Storage Buffer: 50 mM Tris-HCl (pH 6.8); 5 mM EDTA; 10 mM DTT; 10% glycerol; 1% SDS; 0.01% phenol red.

4. Applications

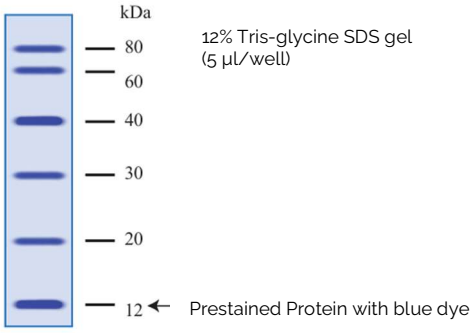
Protein molecular weight estimation in **SDS-PAGE applications**.

5. Usage Instructions

- **Mix well** before use.
- **Recommended loading:**
  5 µL per well for **mini gels.**
  10 µL per well for **larger gels.**
- **Electrophoresis conditions:** 200 V for **50 minutes.**

6. Additional information

Band (kDa)	Color	Concentration
12	Prestained blue	2 µg/5 µL
20	Unstained	0.5 µg/5 µL
30	Unstained	0.5 µg/5 µL
40	Unstained, intensified	1 µg/5 µL
60	Unstained	0.5 µg/5 µL
80	Unstained	0.5 µg/5 µL



7. Further information

Product Use Limitation This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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