

PMF11 Fluorescent Prestained Protein Ladder

05 MAY 2026

Catalog Number	Size	Range
PMF11-0100	500 μ l	11 to 300 kDa

Storage Conditions

Stable for up to 2 weeks at 25°C.

Stable for up to 3 months at 4°C.

Stable for up to 24 months at -20°C.

Description

The PMF 11 Fluorescent Prestained Protein Ladder is a combination of 11 pre-stained proteins with molecular weights from 11 kDa to 300 kDa. The 11 recombinant proteins are stained with blue, red, and green dyes and also provide for fluorescent visualization, with 3 red bands at 27kDa, 80 kDa, and 300 kDa as reference bands. For fluorescent visualization, 10 stained proteins can be detected using the 440 nm – 460 nm excitation wavelength, and emission wavelengths at 700 nm – 740 nm. Primarily, the PMF 11 Fluorescent Prestained Protein Ladder keeps track of the size and separation of proteins during SDS-polyacrylamide gel electrophoresis, approximating the target protein size and validating the Western transfer efficiency on PVDF, nylon, or nitrocellulose membranes.

Kit Content(s)

Fluorescent Prestained Protein Ladder	500 μ l x 1 vial
---------------------------------------	----------------------

Storage Buffer

0.2~0.4 mg/ml of each band of protein is stored in a mixture of solution that contains: 20 mM Trisphosphate at pH 7.5, 2% SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15% (v/v) Glycerol.

Required materials but not provided

- Vertical Electrophoresis system
- Power supplies
- Vortex or equivalent
- Microcentrifuge

Reaction Setup

3 μ l or 5 μ l per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.
2.5 μ l per well for general Western blotting.



Important notes

The molecular weight of each protein (kDa) was measured against an unstained protein ladder in every electrophoresis condition. Additional data should be considered for a more accurate adjustment.