

Prestained Protein Ladder



The protein ladder is designed for monitoring protein separation during SDS-PAGE, verification of Western blot transfer (PVDF, Nylon or Nitrocellulose membranes) and for the approximate sizing of proteins. Supplied as a ready-to use formulation in gel loading buffer, the ladder requires no heating, dilution or addition of reducing agents. Lot-to-lot variation of apparent molecular weight of prestained proteins is less than 3%. GVS' s protein ladder is available in various colors of purple, yellow, red, orange, green and blue.

Storage Buffer

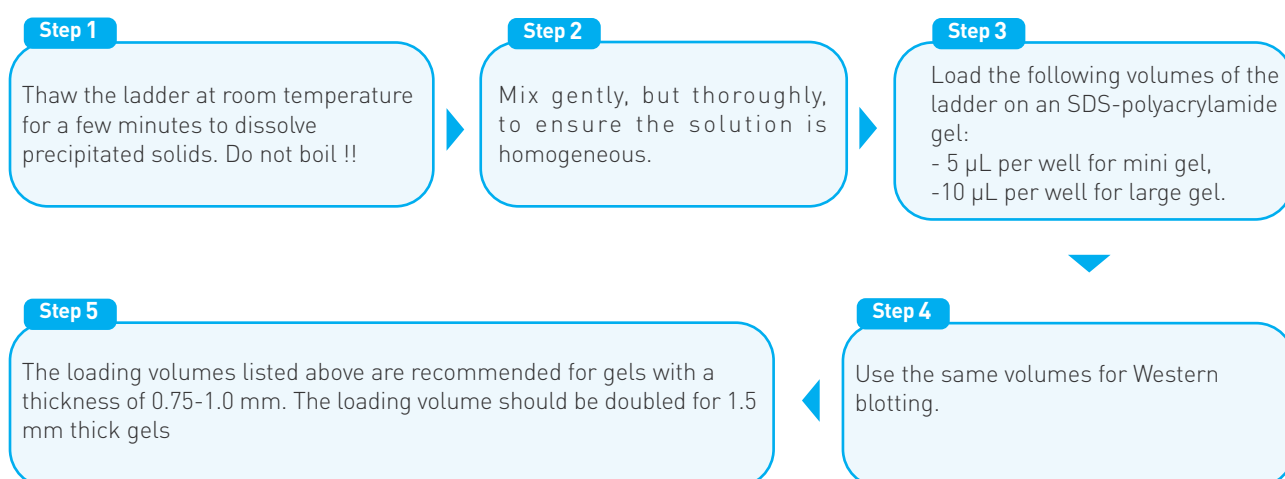
20mM Tris-H₃PO₄(pH7.5), 2mM EDTA, 1.5% (W/V) SDS, 15% (W/V) Glycerol, 4M Urea, 3mM DTT, 0.1% (V/V) Proclin300

Storage: Stable at -20°C for 36 months ; 4°C for 3 months; 25°C for 4 weeks

Key information

1. 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.
2. In low-percentage gels (< 10 %), the low-molecular weight proteins in the ladder may migrate with the dye front.
3. Prestained Protein Ladder can be used in Western Blotting with all common membranes: PVDF, Nylon and Nitrocellulose.
4. Longer transfer times or higher transfer voltages may be required for Western blotting of large (>100 kDa) proteins.

Preparation

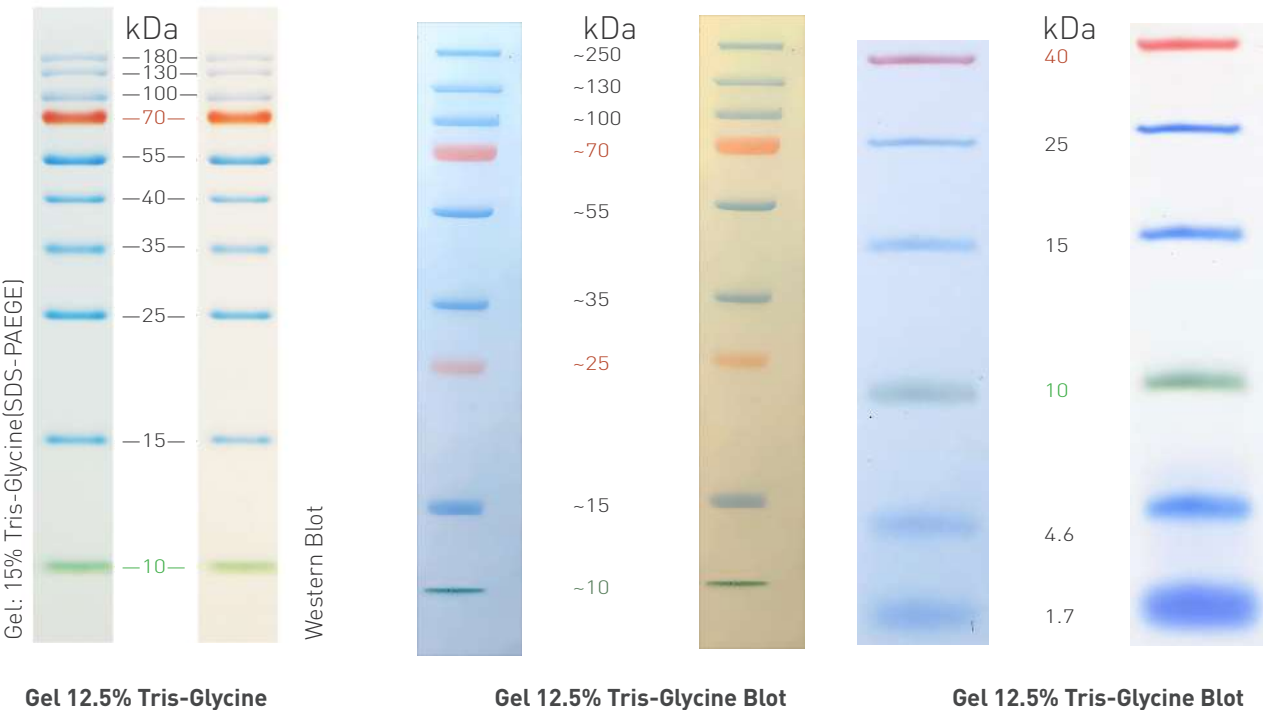


Features

- Broad range
- Precise indication
- Clear band trace
- Colorful prestained colors
- Customization
- Ready to use

Migration patterns of Prestained Protein Ladder:

The apparent molecular weight of each protein (kDa) has been determined by calibration against an unstained protein ladder in each electrophoresis



Ordering information

Product Code	Description	Qty.
PPLB180K101A	prestained protein ladder, 10-180kDa	250 µL
PPLB180K102A	prestained protein ladder, 10-180kDa	5x250 µL
PPLB250K201A	prestained protein ladder, 10-250kDa	250 µL
PPLB250K202A	prestained protein ladder, 10-250kDa	5x250 µL
PPLB040K301A	prestained protein ladder, 1.7-40kDa	250 µL

