

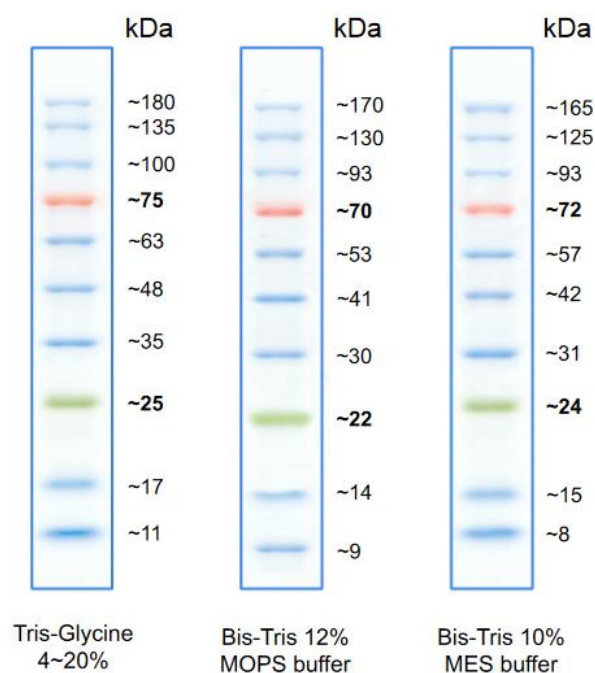
# Technical Data Sheet

## Prestained Protein Ladder (10 – 180 kDa)

for molecular biology

Order number: 1288

Protein Ladder (10-180 kDa), prestained is a three-color protein standard for SDS-PAGE and Western Blotting. It consists of 10 chromophore-coupled proteins (0.2 - 0.4 mg/ml of each protein) covering a range of molecular weights from 10 to 180 kDa (Tris-glycine buffer). Eight proteins are covalently coupled with a blue chromophore while two proteins are highlighted in green (band at 25 kDa) and red color (band at 75 kDa). The Protein Ladder (10-180 kDa), prestained is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in gel loading buffer (20 mM tris-phosphate pH 7.5, 2 % SDS, 0.2 mM dithiothreitol, 3.6 M urea, and 15 % (v/v) glycerol) and is *ready-to-use*.



## Application

Recommendations for loading:

15-well mini-gel: 3 µl per well for clear visualization during electrophoresis

10-well mini-gel: 3 µl per well for clear visualization during electrophoresis

Western transfer: 2 - 3 µl per well

Apply more for thicker (> 1.5 mm) or larger gels.

**Do not heat/dilute/add reducing agent before loading.**

## Storage

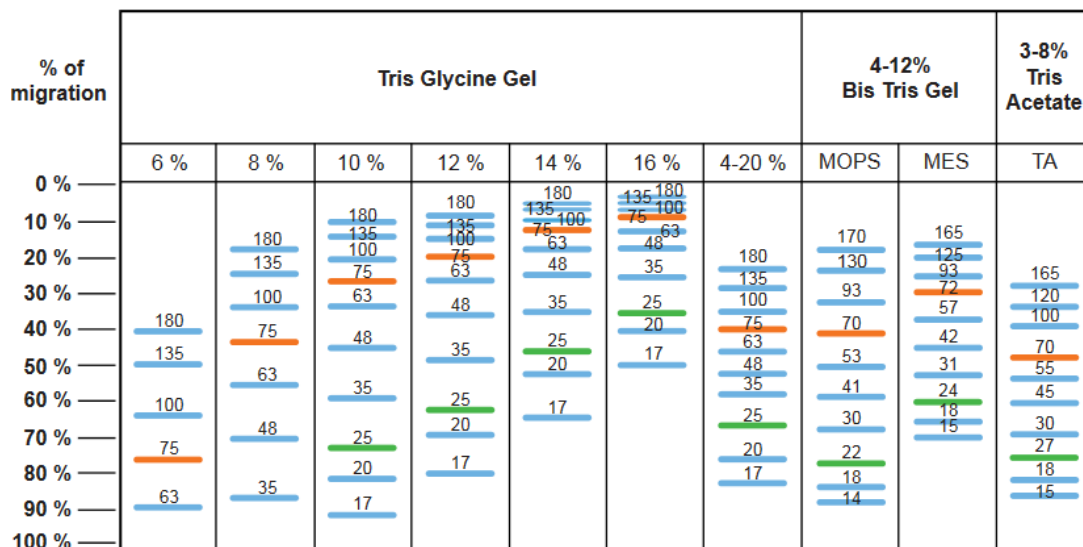
Protein Ladder (10-180 kDa), prestained is stable for up to 3 months at 4°C.

For long term storage, store at -20°C.



## Performance

Migration patterns of Protein Ladder (10-180 kDa), prestained at different electrophoresis conditions:



## Related products

- 7777 WesternFroxx all-in-one Protein Ladder (15 – 200 kDa) for immunodetection
- 1052 Protein Ladder (6.5 - 212 kDa), unstained for molecular biology
- 1123 Protein Ladder (10 – 245 kDa), prestained for molecular biology
- 5560 ECL Xtrasensitivity Kit for immunodetection
- 1550 BSA blocking solution for immunodetection
- 1080 CleanBlot Background Minimizer for immunodetection
- 1095 Peptide blocking solution (BSA-free) for immunodetection
- 1080 Casein high-end blocking solution for immunodetection
- 1102 Acrylamide Xtra solution 30 % - Mix 37.5:1 for electrophoresis
- 1248 Acrylamide Xtra solution 40 % - Mix 37.5:1 for electrophoresis
- 1912 Coomassie® brilliant blue R-250 (C.I. 42660) for biochemistry
- 1277 SDS Xtrapure for biochemistry
- 8027 TEMED for biochemistry
- 1610 Ammonium persulfate for molecular biology
- 1125 Tris Xtrapure for biochemistry
- 1275 Glycine for biochemistry

JB30112018

