

# PiNK Plus Prestained Protein Ladder



Cat. No.: SP005-0600  
Cat. No.: SP005-0025

Size: 300 µl x 2 vials  
Size: 25 µl

## Description

The PiNK Plus Prestained Protein Ladder contains 11 proteins that resolve into sharp, tight bands in the range of 10-175 kilodalton (kDa). The PiNK Plus Prestained Protein Ladder allows you to monitor molecular weight separation during on SDS-polyacrylamide gel electrophoresis (SDS-PAGE), estimate molecular weights of proteins of interest, and evaluate western transfer efficiency.

## Features

- Broad range: 10-175 kDa (Tris-glycine-SDS running buffer)
- Ready-to-use: supplied in a loading buffer for direct loading on gels
- Easy to identify: includes the ~10, ~40 and ~90 kDa reference bands coupled with an blue dyes
- Sharp bands

## Applications

- Monitoring of protein migration during SDS-PAGE gel electrophoresis.
- Monitoring of protein transfer onto membranes during Western blots.
- Sizing of proteins on SDS-PAGE gels and Western blots.

## Storage Buffer

Approximately 0.2~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25°C), 2 % SDS, 1 mM Dithiothreitol, 4.8 M Urea, and 12 % (v/v) Glycerol.

## Quality Control

The quality of the PiNK Plus Prestained Protein Ladder is tested on a lot-to-lot basis to ensure consistent product quality.

## Storage

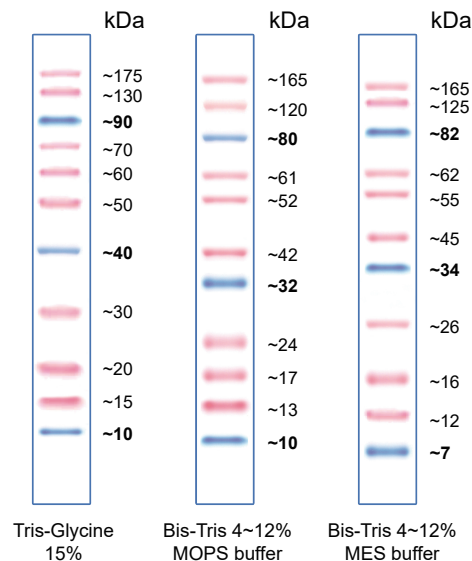
Stable for up to 2 weeks at 25°C.  
Stable for up to 3 months at 4°C.  
For long term storage, store at -20°C.

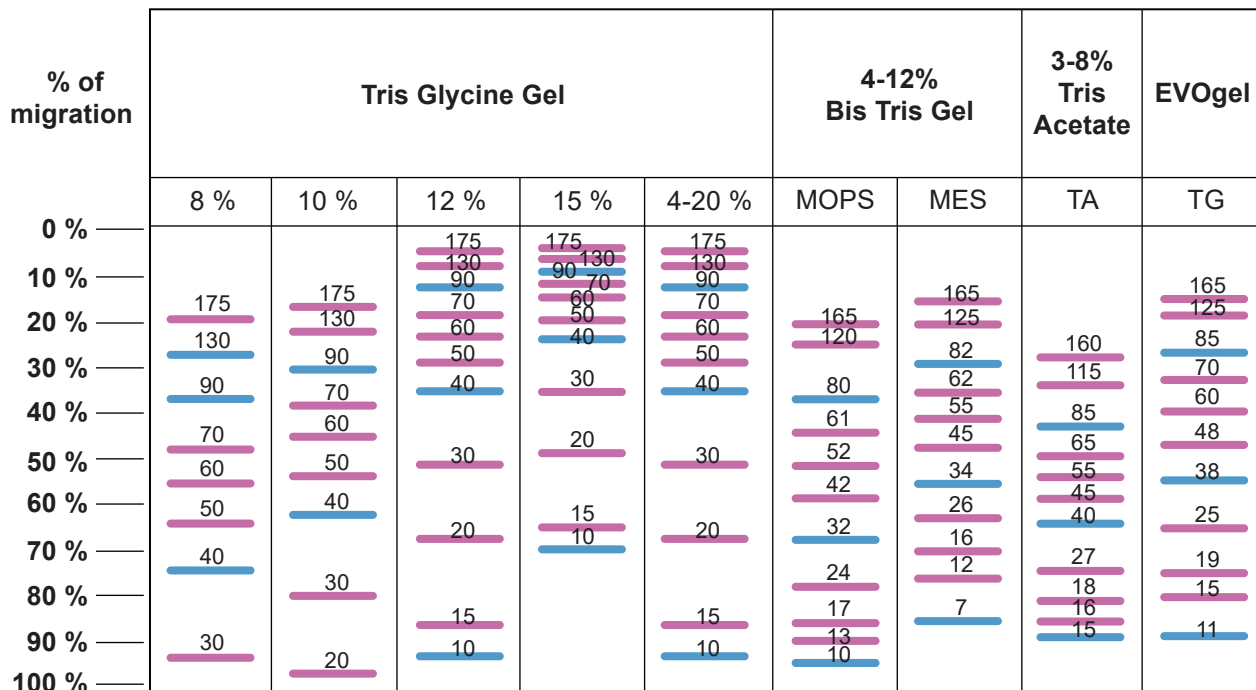
## PiNK Plus Prestained Protein Ladder Protocol

1. Thaw the ladder either at room temperature or at 37-40°C for a few minutes to dissolve precipitated solids. Do not boil.
2. Mix thoroughly to ensure the solution is homogeneous.
3. Load the following volumes of the ladder on SDS-PAGE gel:
  - 5 µl per well for mini-gels, 2.5 µl per well for blots
  - 10 µl per well for large gels, 5 µl per well for blots
  - Apply more for thicker (> 1.5 mm) or larger gel

## Guide for Molecular Weight Estimation (kDa)

Migration patterns of PiNK Plus Prestained Protein Ladder in different electrophoresis conditions are listed below:





Note:

1. The apparent molecular weight of each protein has been determined by calibration against unstained protein standards
2. Supplemental data should be considered for more accurate adjustment in different electrophoresis conditions.

All products are for research use only.

Caution: Not intended for human or animal diagnostic or therapeutic uses.