



YamayBio

# **Multicolor Prestained NIR Protein Ladder 10-250 kDa**

USER MANUAL

For research use only.  
Not for use in diagnostic procedures.

# Contents and Storage

Multicolor Prestained NIR Protein Ladder 10 kDa~250 kDa

CY5468-500 250  $\mu$ L×2

CY5468-2500 250  $\mu$ L×10

**Storage:** Store at 4 °C for 6 months or store at -20 °C for 24 months.

The product is shipped at room temperature.

## Introduction

The Multicolor Prestained NIR Protein Ladder is a dual color prestained protein marker optimized for near infrared fluorescence imaging applications. It contains eleven distinct protein bands ranging from 10 to 250 kDa (10, 15, 20, 25, 35, 40, 50, 70, 100, 150, and 250 kDa). The 25 kDa and 70 kDa bands are labeled with a green dye, allowing real time monitoring of electrophoretic migration and convenient estimation of protein molecular weights.

**Storage Buffer:** 62.5 mM Tris-HCl (pH 7.5 at 25 °C), 1 mM EDTA, 2% (w/v) SDS, 10 mM DTT, 0.02% NaN3, 33% (w/v) glycerol.

## Instructions for Use

- Multicolor Prestained Protein Ladders are provided in sample buffer, ready to load, with no dilution required.
- Allow the tube to equilibrate to room temperature and mix thoroughly before use to make sure that any precipitated material is fully dissolved.
- Do not heat the product above room temperature.

## Multicolor Prestained NIR Protein Ladder 10 to 250 kDa

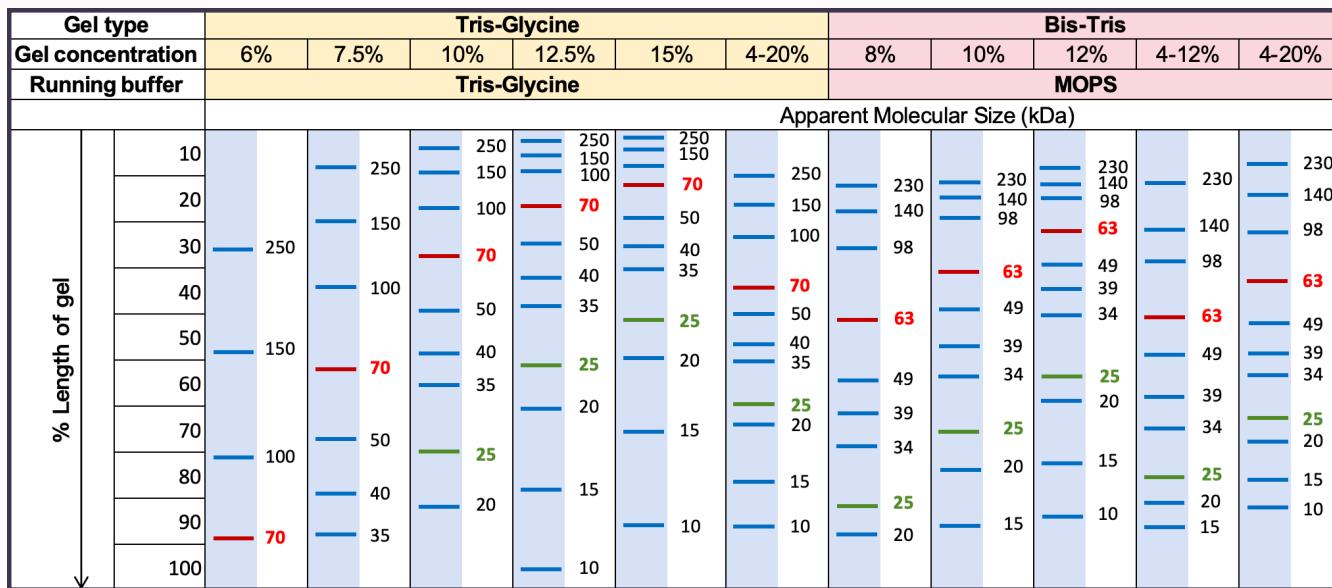


4%-20% Tris-Glycine SDS-PAGE

## Recommended Loading Volumes

Load Volume	Application
5-7 $\mu$ L	Blotting Mini gels (8.3 $\times$ 6.4 cm) and Midi gels (13.3 $\times$ 8.7 cm)
7-10 $\mu$ L	Large gels (18.3 $\times$ 19.3 cm) electrophoresis and 1.5 mm thick gels

# Migration Patterns of Prestained Protein Ladders



## Related Products

Product	Cat. No.	Quantity
All-in-One Low Range Protein Gel Kit, Tricine-PAGE, 10%	RF1531	10 Assays
All-in-One Low Range Protein Gel Kit, Tricine-PAGE, 16%	RF1532	10 Assays
Stain Free Gradient-like PAGE Gel Kit	RF1541	100 Assays
One-Step Stain-Free PAGE Gel Rapid Preparation Kit, 6%	RF1521	100 Assays
One-Step Stain-Free PAGE Gel Rapid Preparation Kit, 7.5%	RF1522	100 Assays
One-Step Stain-Free PAGE Gel Rapid Preparation Kit, 10%	RF1523	100 Assays
One-Step Stain-Free PAGE Gel Rapid Preparation Kit, 12.5%	RF1524	100 Assays
One-Step Stain-Free PAGE Gel Rapid Preparation Kit, 15%	RF1525	100 Assays