

ColorPlus Prestained Protein Marker

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1. Product Introduction

ACE's newly launched three-color prestained protein marker is composed of 11 highly stable prestained proteins, with a molecular weight range from 10 kDa to 180 kDa. Among them, the red 70 kDa and green 25 kDa bands provide convenient references for the identification of molecular weight. This product is easy to use and can be taken directly without the addition of reducing agents, etc., nor does it require heating or boiling.

Scope of application:

It is applicable to SDS-PAGE experiments and Western Blot experiments.

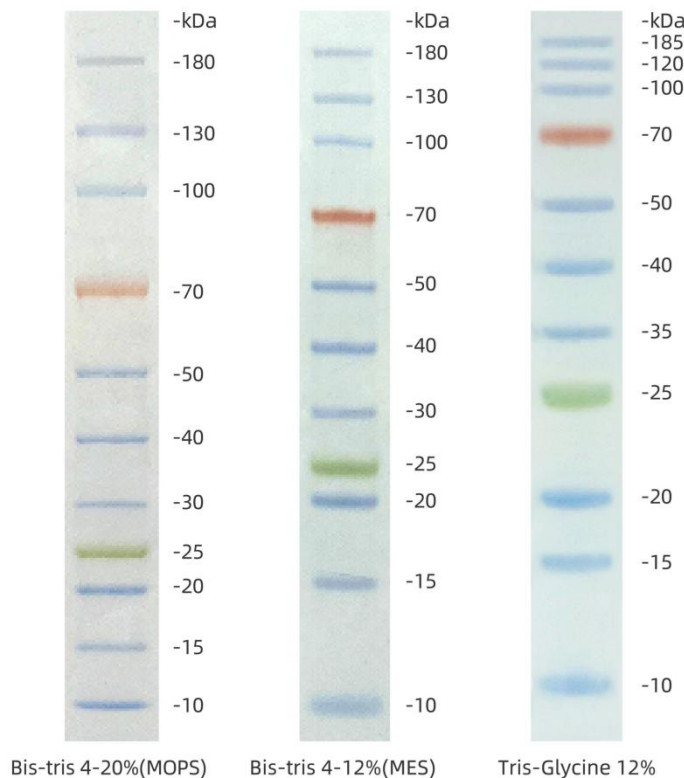
Preservation buffer composition:

62.5 mM Tris-HCl (pH 7.5, 25 °C), 1 mM EDTA, 2% (w/v) SDS, 10 mM DTT, 1mM NaN₃ , 30% (v/v) glycerol.

Storage conditions:

The product can be stored at -20 °C for one year.

2. Product illustration



3. Use Instructions

- 3.1 Before use, please melt the product at room temperature, shake gently to ensure that the solution is thoroughly mixed, and centrifuge instantaneously before use.
- 3.2 The melted product can be used directly without heating or boiling.
- 3.3 For small polyacrylamide gels with a thickness of 0.75-1.0mm, it is usually sufficient to load 5 μ l per well. Or it can be adjusted according to the thickness of the gel and the size of the loading Wells.
- 3.4 Please use a clean pipette tip to take this product to avoid contamination.
- 3.5 After taking, restore the product to frozen storage promptly.

4. Precautions

- 4.1 This product already contains the sample loading buffer solution, which can be used directly. Do not heat or boil it.
- 4.2 In order to avoid repeated freezing and thawing and contamination, the product can be aliquoted and stored at -20 $^{\circ}$ C.
- 4.3 This product is only used for approximate reference of molecular weight, the batch-to-batch difference is about 5%.
- 4.4 This product has different mobility in different SDS-PAGE buffers, which is for reference only when used to determine the molecular weight of the target protein.
- 4.5 In Western Blot experiments, macromolecular proteins (>100 kDa) may require longer transfer times or higher transfer currents to complete the transfer.
- 4.6 This product may non-specifically bind to antibodies, which can be optimized by reducing the antibody concentration, shortening the incubation time, and decreasing the sample loading amount of protein marker.
- 4.7 For your safety and health, please wear a lab coat and disposable gloves during operation.
- 4.8 This product is for research use only.

5. Related Products

Product	Cat.No.	Size
ColorPlus Prestained Protein Marker	BR0136-01	250 μ l
	BR0136-02	10*250 μ l