

Calibrated High Molecular Weight Color Prestained Protein Marker (25–400 kDa)

Catalog No.: RA10039

Product Information

The Calibrated High Molecular Weight Color Prestained Protein Marker (25–400 kDa) contains 10 highly purified recombinant pre-stained proteins, covering a molecular weight range of 25–400 kDa (25, 45, 72, 100, 130, 160, 200, 250, 300, 400 kDa). Among these, the 72 kDa band appears orange-red, the 25 kDa band is green, and the rest are blue, enabling rapid localization without staining. The apparent molecular weights have been calibrated using authoritative non-pre-stained marker standards, ensuring accuracy and reproducibility. This product is suitable for SDS-PAGE electrophoresis and Western Blot applications.

It is pre-mixed with 1× SDS-PAGE loading buffer and is ready for immediate use. Do not boil, dilute, or add reducing agents. Load 5–10 µL according to well size. Clear bands can be observed during and after electrophoresis, as well as after membrane transfer.

Product Specifications

Product Name	Storage	Size 1	Size 2
Calibrated High Molecular Weight Color Prestained Protein Marker (25–400 kDa)	-20°C	50µL	250µL

This product should be stored at -20°C and has a shelf life of 2 years. It can be stored at 4°C for up to 2 months.

Product Advantages

Stable Migration: Maintains consistent migration behavior across different buffer systems and experimental conditions.

Accurate Calibration: Strictly calibrated using non-pre-stained protein molecular weight standards, with accuracy surpassing international brands.

High Stability: No significant band changes observed after 50 freeze-thaw cycles or 30 days of storage at room temperature.

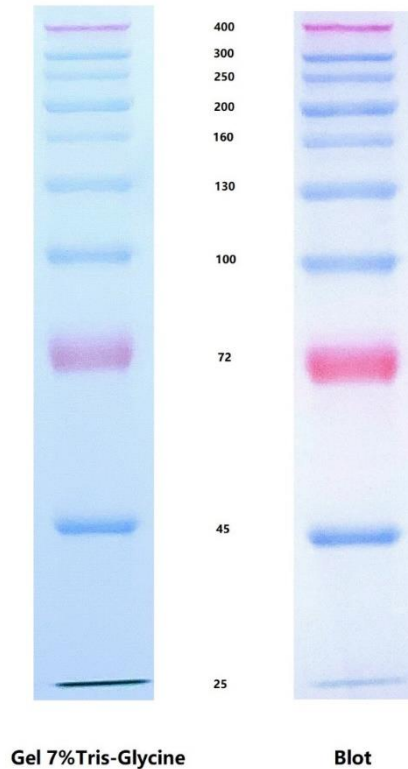
Instructions for Use

1. Remove the product from -20°C storage and thaw at 4°C or room temperature. Mix gently before use. Do not boil.
2. Load 5-10µL into the gel well. The loading volume may be adjusted appropriately based on gel properties and experimental preferences.

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3. Unused marker should be stored at -20°C. It can be stored at 4°C for up to 2 months.



Precautions

1. This product contains loading buffer and must not be heated or boiled.
2. To reduce the risk of degradation and contamination, it is recommended to aliquot and store at -20°C.
3. This product is for research use only.