



## Prestained Protein Marker X (10-180 kDa)

**Product Number: PMK10**

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### Shipping and Storage

Ice bag (wet ice) transportation, Stored at -20°C, valid for 12 months.

### Components

Component	Specifications
Prestained Protein Marker X (10-180 kDa)	250μL

### Description

This product, Prestined Protein Marker X, consists of 10 high-purity and pre stained recombinant proteins (without His tags). The molecular weight range indicated in Tris Glicine gel is 10-180 kDa (~10,~15,~25,~35,~40,~55,~70,~100,~130,~180 kDa). The 180, 130, and 100 kDa protein bands are blue bands, the 70 kDa, 55 kDa, 40 kDa, and 10 kDa protein bands are magenta bands, and the 35, 25, and 15 kDa bands are purple bands, making it convenient to dynamically observe the protein electrophoresis state or judge the protein transmembrane effect. Suitable as a protein molecular weight standard for SDS-PAGE and Western blot.

### Protocol

1. This product is ready to use and does not require the addition of reducing agents or heating. Thaw the Prestaine Protein Marker stored at -20°C at room temperature and gently mix well;
2. Take 2-10μL of this product and perform protein electrophoresis simultaneously with the experimental sample; It is recommended to determine the appropriate sample size through pre experiments based on one's own experimental conditions and habits when using this product for the first time. This can not only save costs but also obtain better experimental images with better results;
3. After use, the Prestige Protein Marker should be promptly stored at -20°C (it is recommended to pack 20 μ L for storage).

### Note

1. This pre dyed protein molecular weight standard cannot be heated or boiled at 100°C, as heating or boiling can cause degradation or decolorization of protein bands.
2. During Western blot analysis of high molecular weight proteins, it is necessary to extend the transmembrane time or increase the transmembrane current.
3. The reference pre stained protein molecular weight size in the figure is calibrated based on the non pre stained protein molecular weight, not the exact size.
4. In different gel and buffer liquid systems, the mobility of pre stained protein bands will be different. When judging the size, the corresponding system indicator size should be selected. The difference in gel concentration does not affect the size of pre stained protein.
5. There may be batch differences in each band of pre stained protein markers, and the batch differences should be controlled within 5%.
6. This Prestige Protein Marker can tolerate washing with antibody eluent (or membrane regeneration solution).
7. This Prestige Protein Marker can be stored at room temperature for ≥ 20 days; Store at 2-8°C for ≥ 2 months; Store at -20°C for ≥ 12 months.
8. For your safety and health, please wear lab coats and disposable gloves when operating.

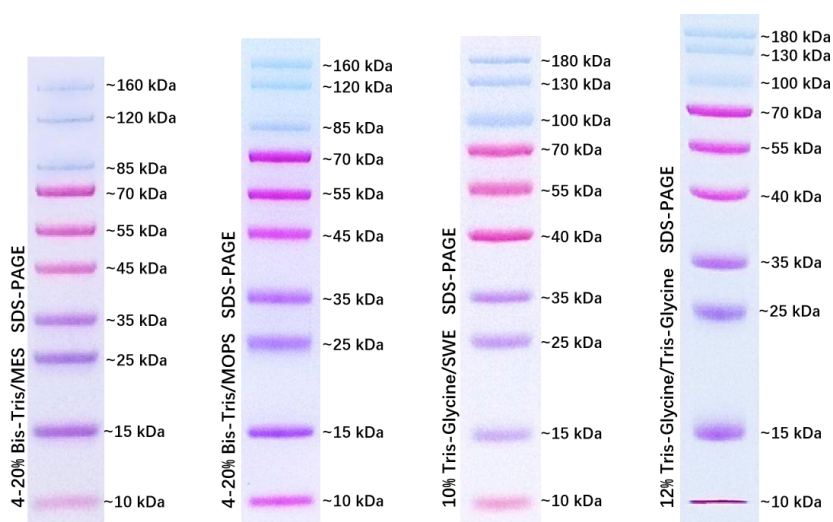


Figure 1. Prestained Protein Marker II (10-200kDa) Reference Molecular Weight Size

Gel type		Tris-Glycine								Bis-Tris						Tris-Acetate
Gel concentration		8%	10%	12%	4-20%	8%	10%	12%	4-20%	10%	12%	4-20%	10%	12%	4-20%	7%
Running buffer		SWE (G2081)				Tris-Glycine (G2018)				MOPS (G2050)			MES (G2077)			Tris-Acetate (G2141)
% length of gel	10	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180	~180
	20	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130	~130
	30	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100	~100
	40	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70	~70
	50	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55	~55
	60	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40	~40
	70	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35	~35
	80	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25	~25
	90	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15	~15
	100	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10	~10