GoldBand 3-color Low Range Protein Marker (2.6-40 kDa)

Product Information

Product name	Cat#	Size
GoldBand 3-color Low Range Protein Marker (2.6-40 kDa)	20344ES72	250 μL
	20344ES76	2×250 μL
	20344ES90	10×250 μL

Product Description

This product consists of 9 highly purified and prestained proteins ranging in molecular weight from 2.6 kDa to 40 kDa(2.6,4.2,7,10, 15,20,25,30,40 kDa), among them, 40 kDa is orange band, 10 kDa is green band. The labeled apparent molecular weight was calibrated by the molecular weight Marker of standard non-prestained proteins. Using this product, the state of protein electrophoresis and the effect of membrane transfer can be dynamically observed. After SDS-PAGE electrophoresis, the color bands were transferred to PVDF membrane and NC membrane. This product is conveniently packaged and is a ready-to-use product, do not heat, dilute, or add reducing agents!

After the prestained protein is combined with the dye, in different buffer systems, there is displacement. There are signs in the instructions, this product is only for reference when judging the molecular weight of the target protein.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ for 2 years. For regular use, it can be placed at 4°C, valid for three months. It is recommended to store in aliquots to avoid repeated freezing and thawing!

stock solution composition

62.5 mM Tris-H_3PO_4(pH 7.5), 2 mM EDTA, 2% (W/V) SDS, 33% (W/V) Glycerol, 5 mM DTT, 0.02% (V/V) proclin300

Instructions

1. After the product is thawed at room temperature, mix gently to fully dissolve the precipitate.
2. Then take an appropriate amount of this product into the gel hole. mini-gel: 3-5 μL; Western blotting: 1.5-2.5 μL; when the thickness of the gel is greater than 1.5 mm, the loading volume can be appropriately increased.

Cautions

1. The product needs to be returned to room temperature before use to fully dissolve the precipitate. Incomplete protein denaturation at low temperature may lead to different degrees of dispersion of electrophoresis bands.
2. In western blot experiments, you must pay attention to small molecule specificity. At present, conventional transfer buffer 2.6 kDa needs to reduce the current and shorten the time, otherwise it will pass through the membrane.
3. This product contains SDS, and the protein has been denatured, so it should not be used as a molecular weight reference standard for natural protein molecular electrophoresis.
4. The product will have deviations in protein size under different electrophoresis conditions, but after they are calibrated by non-prestained protein standards in the same buffer system, they can be used for protein determination of similar molecular weights.
5. Pay attention to electrophoresis time, low molecular weight protein may swim out of the protein gel front.
6. This product is conveniently packaged and is a ready-to-use product, do not heat, dilute, or add reducing agents!
7. For your safety and health, please wear lab coats and disposable gloves for operation.
8. For research use only!

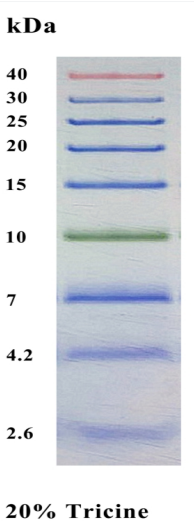

Figure1. 20% SDS-PAGE electrophoresis results

Attached table Under different electrophoresis buffer conditions, the position each band of this product

Gel type	Tricine	
Gel concentration	18%	20%
Running buffer	Tricine	
% length of gel	Apparent Molecular Weights, kDa	
10	40	40
20	30	30
30	25	25
40	20	20
50	15	15
60	10	10
70	7	7
80	4.2	4.2
90	2.6	2.6
100		