

ColorBand Prestained Protein Marker Low Range 2.7 kDa-40 kDa

Cat#:8011081/8011082

[Product name]

ColorBand Prestained Protein Marker Low Range 2.7 kDa-40 kDa

[Model & Size]

Product Name	Cat No.	Size
ColorBand Prestained Protein Marker Low Range 2.7 kDa-40 kDa	8011081	250 μ L
	8011082	250 μ L \times 5

[Product Description]

The product is a ready-to-use and prestained protein molecular weight standard solution in three colors, of which contains 9 highly purified and pre-stained recombinant proteins ranging from 2.7 kD to 40 kD (2.7 kDa, 4.2 kDa, 6.5 kDa, 10 kDa, 15 kDa, 20 kDa, 25 kDa, 30 kDa, 40 kDa). After SDS-PAGE or Western blot, 9 clear colored protein bands can be observed, of which the 40 kDa band is orange-red, 10 kDa is green, and the rest are all blue. The apparent molecular weight of the product is calibrated with Biorad 1610363, Thermo 26610 and 26614 non-pre-stained protein molecular weight standard. And the product is suitable as a protein molecular weight standard for SDS-PAGE and Western.

The product has been prepared in 1 \times SDS-PAGE loading buffer and can be used directly. Please do not heat, dilute or add reducing agent.

The dosage of the product should be adjusted according to the size of the sample loading hole. When loading marker, it is only need to use 5~10 μ L marker (5 μ L for a 5 \times 1.5mm gel hole is enough), and the clear protein bands can be observed after SDS-PAGE and Western blot.

[Storage buffer]

62.5 mM Tris-H₃PO₄, pH 7.5, 2 mM EDTA, 2% (W/V) SDS, 33% (W/V) Glycerol, 0.02% (V/V) proclin300, 5 mM DTT.

[Storage and transportation]

Store at -25 $^{\circ}$ C~-15 $^{\circ}$ C. Valid for 24 months. Avoid repeated freezing and thawing.

Transported on blue ice.

[Instruction]

1. Thaw at room temperature. After the solution is completely dissolved, mix it gently and thoroughly. Do not heat.
2. It is only need to load 5 μ L marker during SDS-PAGE. It is recommended that when some laboratories load marker for the first time, they can determine the appropriate sample size through pre-experiments based on their own experimental conditions and experimental habits, so as to save costs and obtain better experimental images.
3. Unused markers are stored at -25 $^{\circ}$ C~-15 $^{\circ}$ C. They can also be repacked to avoid repeated freezing and thawing according to daily usage, and stored at 2 $^{\circ}$ C~8 $^{\circ}$ C for 2 months.

[Precaution]

1. If it is a gel of low concentration, the low molecular weight proteins in the product might migrate faster than the dye.
2. It was necessary to extend the transfer time or increase the voltage if the sample is large molecular weight protein during Western blot. In addition, it is recommended not to add SDS to the

transfer solution. If it must be used in the experiment, it was recommended that the concentration of SDS should not exceed 0.02%~0.04%.

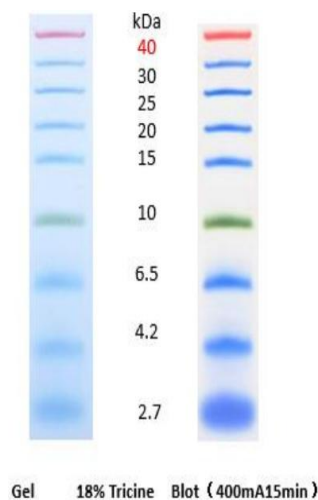
3. There are different apparent molecular weights of pre-stained proteins in different buffer systems. If non-pre-stained proteins are calibrated in advance in the buffer system, the protein molecular weight could be roughly determined.

4. This product is suitable for common membranes such as PVDF, nylon and cellulose acetate membranes.









5. The transfer effect is related to the transfer time and needs to be determined according to the size of the target band. If the transfer time is short, some of the large molecular weight bands may not be successfully transferred, which is a normal phenomenon.

6. The product contains a small amount of DTT. For your safety and health, please wear a lab coat and disposable gloves.

[Product legend]



[Description of Product Symbol]

Product Symbol	Description	Product Symbol	Description
	Catalog Number		Batch Code
	Date of Manufacture		Manufacturer
	Keep away from light		Temperature limit
	Consult instructions for use		Use-by date

[Company Information]

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