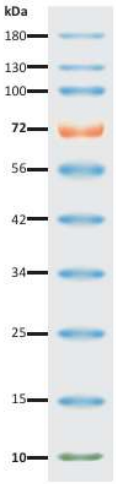
3-color Prestained Protein Ladder Ⅱ

(8-180 kDa)



GF6617

Size: 250 µl x 1
5 µl per well for 50 applications

Storage

4°C for 3 months
-20°C for long term storage

Note. The apparent molecular weight (kDa) of each protein has been determined by calibration against an unstained protein standard; supplemental data should be considered for more accurate adjustments in different electrophoresis conditions.

Loading Volume

- 3 µl or 5 µl per loading for clear visualization during electrophoresis on a 15-well or 10-well mini-gel.
- 1.5~2.5 µl per well for general Western blotting transfer.
- Apply more for a thicker (> 1.5 mm) or larger gel.

Description

The 3-color Prestained Protein Ladder Ⅱ is a ready to use three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 10 to 180 kDa (8 to 170 kDa in Bis-Tris (MOPS) buffer and 8 to 170 kDa in Bis-Tris (MES) buffer). Proteins are covalently coupled with a blue chromophore except for two reference bands (one **green** and one **red** band at 10 kDa and 72 kDa respectively) when separated on SDS-PAGE (Tris-Glycine buffer).

The 3-color Prestained Protein Ladder Ⅱ is designed for monitoring protein separation during SDS-polyacrylamide gel electro-phoresis, verification of Western transfer efficiency on membranes, (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins.

The marker is supplied in gel loading buffer and is ready to use. **Do NOT heat, dilute, or add reducing agents before loading.**

Contents

Approximately 0.1~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate (pH 7.5 at 25°C), 2 % SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol).

Guide for Molecular Weight Estimation

Migration patterns and approximate MWs (kDa) of 3-color Prestained Protein Ladder Ⅱ in different electrophoresis conditions are listed below:

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)	
1	Blue	180	170	170	
2	Blue	130	120	120	
3	Blue	100	92	92	
4	**Red**	**72**	**66**	**66**	
5	Blue	56	50	50	
6	Blue	42	40	40	
7	Blue	34	30	30	
8	Blue	25	23	23	
9	Blue	15	14	14	
10	**Green**	**10**	**8**	**8**	

Quality Control

Under suggested conditions,3-color 3-color Prestained Protein Ladder Ⅱ resolves 10 major bands in SDS-PAGE (Tris-Glycine, MOPS, and MES buffer) and after Western blotting transfer to a nitrocellulose membrane.

Other information

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For research use only

Caution: Not intended for human or animal diagnostic or therapeutic uses.