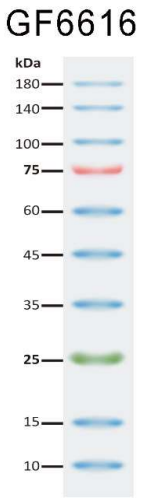
3-color Regular Range Protein Marker

(9-180 kDa)



GF6616

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

Storage

4°C for 3 months
-20°C for 36 months

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 Regular Range Protein Marker 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 (9 to 170 kDa in Bis-Tris (MOPS) buffer and 10 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 25 kDa and 75 kDa respectively) when separated on SDS-PAGE (Tris-Glycine buffer).

The 3-color Regular Range Protein Marker 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 Regular Range Protein Marker in different electrophoresis conditions are listed below:

Band	Color	TRIS-GLYCINE	BIS-TRIS (MOPS)	BIS-TRIS (MES)	
1	Blue	180	170	170	
2	Blue	140	130	130	
3	Blue	100	93	93	
4	**Red**	**75**	**70**	**72**	
5	Blue	60	53	53	
6	Blue	45	41	42	
7	Blue	35	30	30	
8	**Green**	**25**	**22**	**23**	
9	Blue	15	14	14	
10	Blue	10	9	10	

Quality Control

Under suggested conditions,3-color Regular Range Protein Marker 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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