CYANAGEN
Reagents for Molecular Biology

Cod. MWM157

PRO-LINER 3-COLOR Protein Marker – Broad range

Application Protocol

Product information

-**DESCRIPTION**: Protein Marker Broad range (6.5-270 kDa)
-**STORAGE**:
+4°C for 3 months,
-20°C for 12 months
RT up to 2 weeks
-**READY-TO-USE:** Do NOT heat, dilute, or add reducing agent before loading.

Cyanagen srl
Via Stradelli Guelfi 40/c
40138 Bologna – Italy
+39 051.534063
www.cyanagen.com

Introduction

The **PRO-LINER 3-COLOR** Protein Marker – Broad range is a ready-to-use three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 6.5 to 270 kDa in Tris-Glycine buffer. Proteins are covalently coupled with a blue chromophore except for three reference bands (two orange bands at 30 kDa and 270 kDa and one green band at 52) when separated on SDS-PAGE (Tris-Glycine buffer).
The PRO-LINER 3-COLOR Protein Marker – Broad range is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins.

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.

Warnings

For research use only.

Guide for Molecular Weight Estimation

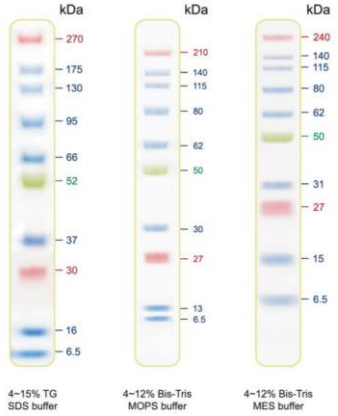
Band	Color	4-15% TRIS-GLYCINE	4-12% BIS-TRIS (MOPS)	4-12% BIS-TRIS (MES)
1	Orange	270	210	240
2	Blue	175	140	140
3	Blue	130	115	115
4	Blue	95	80	80
5	Blue	66	62	62
6	Green	52	50	50
7	Blue	37	30	31
8	Orange	30	27	27
9	Blue	16	13	15
10	Blue	6.5	6.5	6.5

Migration patterns and approximate MWs (kDa) of **PRO-LINER 3-COLOR** Protein Marker – Broad range in different electrophoresis conditions.

Storage buffer

62.5 mM Tris-H_3PO_4 (pH 7.5 at 25 °C), 1 mM EDTA, 2% SDS, 10 M DTT, 1 mM NaN_3, 33% glycerol.

PRO-LINER 3-COLOR Protein Marker – Broad range



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.