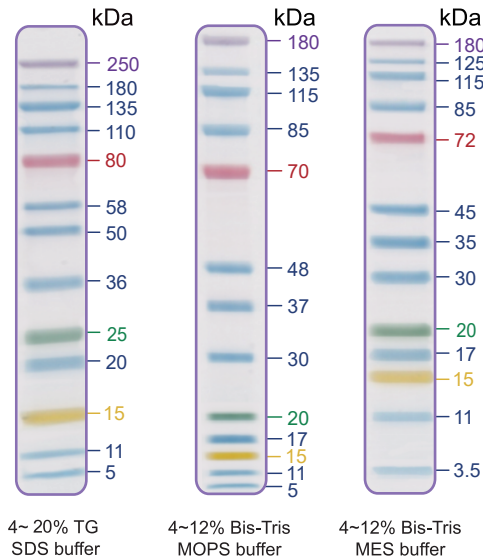




PROTEIN MOLECULAR WEIGHT MARKER

EcoBand Protein Marker(5-250kDa)

Cat. No. Q161302-0500



Guide for Molecular Weight Estimation (kDa)

Description

EcoBand Protein Marker (5-250kDa) is a combination of 13 pre-stained proteins with 5-color molecular weights from 5 to 250 kDa. The 13 recombinant proteins are covalently coupled with blue chromophore, while a red band at 80 kDa, a green band at 25 kDa, a newly designed yellow band at 15 kDa and a purple band at 250 kDa serve as reference bands. EcoBand Protein Ladder keeps track of the size and separation of proteins during SDS-polyacrylamide gel electrophoresis, approximating the target protein size and validating the Western transfer efficiency on PVDF, nylon, or nitrocellulose membranes.

Ordering Information

Catalog Number	Content	Range
Q161302-0500	500 µl X 1Vial	5 to 250kDa

Storage Buffer

0.2~0.4 mg/ml of each band of protein is stored in a mixture of solution that contains: 20 mM Trisphosphate at pH 7.5, 2% SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15% (v/v) Glycerol.

Quality Control

5 µl of EcoBand Protein Marker (11-180kDa) resolves 10 bands in 4-20% SDS-PAGE (Tris-glycine buffer) and after Western blotting to PVDF membrane.

Storage Conditions

Stable for up to 2 weeks at 25°C.
Stable for up to 3 months at 4°C.
Stable for up to 24 months at -20°C

Required materials but not provided

- Vertical Electrophoresis system
- Power supplies
- Vortex or equivalent
- Microcentrifuge

Reaction Setup

3µl or 5µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively. 2.5µl per well for general Western transferring.

Important Notes

The molecular weight of each protein (kDa) was measured against an unstained protein ladder in every electrophoresis condition. Additional data should be considered for a more accurate adjustment.

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