

PRODUCT INFORMATION

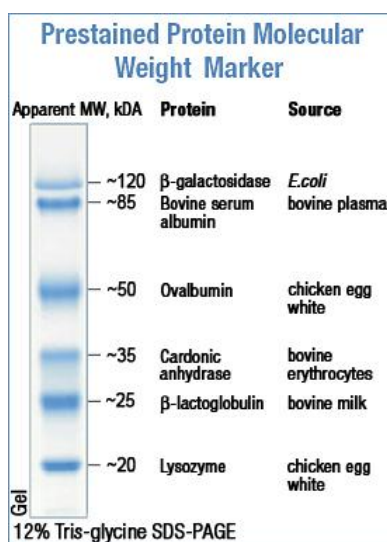
Prestained Protein Molecular Weight Marker

Product information for BSM0441:

Description

Prestained Protein Molecular Weight Marker is a mixture of purified proteins covalently coupled to a blue chromophore. It consists of 6 proteins ranging in apparent molecular weight from approximately 20 kDa to 120 kDa. The protein concentrations are optimized to yield 6 well-defined blue bands after SDS-polyacrylamide gel electrophoresis. Lot-to-lot variation of the apparent molecular weight of prestained proteins is ~5%.

The Marker is supplied in gel loading buffer and is ready-to-use (reconstituted).



Application

1. Monitoring of protein migration during SDS-PAGE.
2. Verifying Western transfer efficiency.
3. Approximate sizing of proteins on SDS-polyacrylamide gels and Western blots.
4. Locating a protein of interest for excision from an unstained preparative gel.

Storage buffer

62.5 mM Tris-HCl (pH 7.5 at 25°C), 1 mM EDTA, 2% (w/v) SDS, 10 mM DTT, 1.5 mM NaN₃, 33% (w/v) glycerol.



Recommendations for Loading

1. Thaw the ladder either at room temperature or at 37-40°C for a few minutes to dissolve precipitated solids. **Do not boil!**
2. Mix gently, but thoroughly, to ensure that the solution is homogeneous.
3. Load the following volumes of the ladder on SDS-polyacrylamide gel:
 - 5µl per well for mini gel
 - 10 µl per well for large gel

Use the same volumes for Western blotting. The loading volumes listed above are recommended for gels with a thickness of 0.75-1.0 mm. The loading volume should be doubled for 1.5 mm thick gels.

Note

The Marker should not be used in a native polyacrylamide gel electrophoresis for determination of native molecular weights of proteins.

Storage

Store at -20°C.