**BLUltra Prestained Protein Ladder**

**Overview**

- **Quantity:** 500 μL
- **Detection Range:** 6.5-270 kDa
- **Minimum Detection Limit:** 6.5 kDa
- **Application:** SDS-PAGE (SDS), Western Blotting (WB)

**Product Details**

- **Purpose:** The BLUltra Prestained Protein Ladder is a three-color protein standard with 10 pre-stained proteins covering a wide range of molecular weights from 6.5 to 270 kDa.
- **Detection Method:** Colorimetric
- **Characteristics:** 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 kDa) when separated on SDS-PAGE (Tris-glycine buffer). The BLUltra Prestained Protein Ladder is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis and verifying Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in the gel loading buffer and is ready to use.

**Application Details**

- **Application Notes:**
  - 3 μl or 5 μl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.
  - 2.5 μl per well for general Western transferring.
- **Reagent Preparation:** Quality Control: Under suggested conditions, BLUltra Prestained Protein Ladder resolves 10 major bands in 4-12 % Bis-Tris Gel(MES buffer) and after Western blotting to the nitrocellulose.
Application Details

membrane.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Storage Buffer: 62.5 mM Tris-H3PO4 (pH 7.5 at 25 °C), 1 mM EDTA, 2 % SDS, 10 mM DTT, 1 mM Sodium azide, 33 % glycerol.

Storage: -20 °C

Storage Comment: Stable for up to 2 weeks at 25°C. Stable for up to 3 months at 4°C. For long term storage, store at -20°C.

Images

**SDS-PAGE**

**Image 1.**

![SDS-PAGE Image 1]

**SDS-PAGE**

**Image 2.**

![SDS-PAGE Image 2]