

Product Datasheet

BPG 10-step Protein Ladder orb90561

Description	The BPG 10-step Protein Ladder is a three-color protein standard with 10 pre-stained proteins covering a wide range molecular weights for 10 to 180 kDa. 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 BPG 10-step Protein Ladder is designed for monitoring protein separated during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximate sizing of proteins. The ladder is supplied in gel loading buffer and is ready to use. Do not heat, dilute, add reducing agent before loading.
Tested Applications	SDS-PAGE, WB
Hazard Information	Non-Toxic
Target	Protein
Form/Appearance	Approximately 0.2-0.4 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).
Storage	Stable at 25°C for 2 weeks. Stable at 4°C for 3 months. Store at -20°C for 24 months.
Note	For research use only.
Expiration Date	12 months from date of receipt.
Application Notes	Experiment Notes: <ol style="list-style-type: none">1. 3 µl or 5 µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.2. 2-3 µl per well for general Western transferring.3. Apply more for thicker (>1.5 mm) or larger gel.