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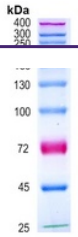
Product Datasheet

Prestained Protein Ladder (25-400 kDa) (orb1878951)

Description	Prestained Protein Ladder 25 to 400 kDa
Tested Applications	IEP, WB
Form/Appearance	Liquid in 67 mM Tris-H3PO4, 5mM EDTA, 2 % SDS, 33 % Glycerol, 0.02 % proclin300, pH 7.5
Storage	Shipped at 4°C. Store at -20°C for one year.
Note	For research use only
Application notes	1. Thaw the ladder at room temperature for a few minutes to dissolve precipitated solids. Do not boil! 2. Mix gently, but thoroughly, to ensure the solution is homogeneous. 3. Load the following volumes of the ladder on an SDS-polyacrylamide gel: - 5 µL 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. Notes: 1. Prestained proteins can have different mobilities in various SDS-PAGE-buffer systems. However, they are suitable for approximate molecular weight determination when calibrated against unstained standards in the same system. See the table provided for migration patterns in different electrophoresis conditions. In low-percentage gels (10 %), the low-molecular weight proteins in the ladder may migrate with the dye front. 2. Prestained Protein Ladder can be used in Western blotting with all common membranes: PVDF, nylon and nitrocellulose. 3. Longer transfer times or higher transfer voltages may be required for Western blotting of large (>100 kDa) proteins.
Expiration Date	12 months from date of receipt.



Biorbyt Ltd.
7 Signet Court, Swann's Road, Cambridge, CB5 8LA, United Kingdom
Email: **info@biorbyt.com** | Phone: **+44 (0) 1223 859-353** | Fax: +44 (0)1223 280 240

Biorbyt LLC.
68 TW Alexander Drive,
Durham, NC, 27713.
United States
Email: **info@biorbyt.com** | Phone: **+1 (415) 906-5211** | Fax: +1 (415) 651-8558