

## Product Datasheet

### Protein Molecular Weight Marker (orb348606)

<b>Catalog Number</b>	orb348606
<b>Category</b>	Tools
<b>Description</b>	Protein Molecular Weight Marker
<b>Conjugation</b>	Unconjugated
<b>Form/Appearance</b>	Liquid (in 1x Loading Buffer)
<b>Concentration</b>	1X
<b>Buffer/Preservatives</b>	Preservative: 0.01% (w/v) Sodium Azide. Stabilizer: None; Buffer: See application note.
<b>Purity</b>	Protein Molecular Weight Marker is supplied in 1X loading buffer and is ready-to-use. This product are unstained markers optimized for use with Coomassie blue staining, but the loading volume can be adjusted for compatibility with other staining methods (i.e. silver staining). The intensity of the 67 kDa bovine albumin band has been increased to serve as a reference.
<b>Tested applications</b>	SDS-PAGE
<b>Application notes</b>	Protein Molecular Weight Marker has been tested and is designed for use in accurate estimation of protein molecular weight in SDS-polyacrylamide gel electrophoresis and western blotting. It contains: [62.5 mM Tris-HCl, pH 6.8, 2% (w/v) SDS, 250 mM NaCl, 1mM EDTA, 4% (v/v) $\beta$ -Mercaptoethanol, 35% (v/v) Glycerol and 0.05% (w/v) bromophenol blue.] Thaw the cocktail at room temperature. Gently invert vial several times to ensure that the solution is homogeneous and that any precipitated material is re-dissolved. A loading volume of 5-10 $\mu$ l is appropriate for most gel formats.
<b>Storage</b>	Store vial at -20° C.

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**Dry Ice Shipping**

**Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.**

**Hazard Information**

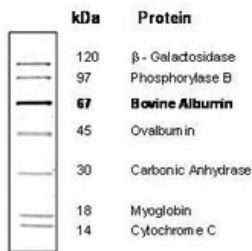
Non-Toxic

**Note**

For research use only

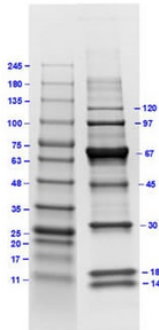
**Expiration Date**

6 months from date of receipt.



SDS PAGE of Protein Molecular Weight Marker, 14-120 kDa

4-20% Tris-Glycine SDS-PAGE  
Stained with Coomassie Blue



SDS PAGE Results of Protein Molecular Weight Marker 14-120kDa. Lane 1: Opal Prestained Molecular Weight Marker (11-245kDa). [7 µl] Lane 2: Protein Molecular Weight Marker (14-120kDa) (p/n orb348606). [5 µl] 4-20% Gel, Coomassie Stained.

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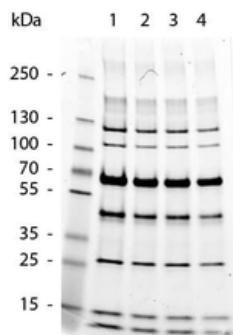
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SDS-Page of Protein Molecular Weight Marker. Lane 1: Protein Molecular Weight Marker 12.5 uL. Lane 2: Protein Molecular Weight Marker 10.0 uL. Lane 3: Protein Molecular Weight Marker 7.5 uL. Lane 4: Protein Molecular Weight Marker 5.0 uL. Exact molecular weights are detailed on image 1.

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