Protein Marker PS11

Description/Preparation:
Protein Marker PS11 contains 11 proteins that resolve into sharp, tight bands in the range of 10-175 kDa. The Protein Ladder allows to monitor molecular weight separation during electrophoresis, estimate molecular weights. The marker is ready-to-use. There is no need to boil. Easy to identify: includes the ~10, ~40 and ~90 kDa reference bands coupled with an blue dye.

Applications
- Monitoring of protein migration during SDS-polyacrylamide gel electrophoresis.
- Monitoring of protein transfer onto membranes during Western blotting.
- Sizing of proteins on SDS-polyacrylamide gels and Western blots.

Usage:
Mini gel application: 5 µl/well; 2.5 µl per well blots
Standard gel application: 10 µl/well; 5 µl per well for blots

Number of bands: 11
10.5, 14, 22, 29, 42, 51, 62, 70, 95, 130, 175 kDa

Loading:
Loading Denaturing Polyacrylamide gels (SDS-PAGE):
- Thaw marker at room temperature or heat at 37 – 40 °C for a few minutes. Do not boil!
- Vortex gently to ensure the solution is homogeneous and load the ladder on SDS-polyacrylamide gel
- 5 µl per well for mini-gels, 2.5 µl per well for blots
- 10 µl per well for large gels, 5 µl per well for blots

1 ml marker is sufficient for 200 mini gels or 100 standard gels. It is recommended to divide the marker into aliquots to avoid contamination of the stock solution.

Note:
Protein Marker PS11 is optimized for runs on 15 % SDS-polyacrylamide gels. 4 to 12 % gels may cause proteins with low molecular weights to migrate with the dye front. On 12 to 15 % and gradient gels all bands are visible.

Quality Control
Tested in SDS-polyacrylamide gel electrophoresis and Western blotting.

Storage: at -20°C
Shipment: on blue ice

Ordering information:

<table>
<thead>
<tr>
<th>Cat.-no</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>310005</td>
<td>Protein Marker PS101 (11 - 175 kDa)</td>
<td>1 x 500 µl</td>
</tr>
<tr>
<td>310006</td>
<td>Protein Marker PS11 (11 - 175 kDa)</td>
<td>5 x 500 µl</td>
</tr>
</tbody>
</table>