



Product Information

MOLECULAR WEIGHT STANDARD MIXTURE, Recombinant (Molecular Weight Range: 15,000-150,000) For SDS-PAGE and Western Blotting

Product No. **M 0671**
Store at 2-8 °C

Product Description

Sigma's recombinant molecular weight standard mixture contains 7 precisely sized recombinant proteins. The molecular weights of these proteins are 15, 25, 35, 50, 75, 100 and 150 kDa. These proteins produce sharp bands and allow for highly accurate size determination because no oligosaccharide residues are present. Analysis of samples with these standards on a Western blot provides a convenient, accurate determination of molecular weight.

Storage

Store the vial at 2-8 °C. Freezing is not recommended.

Content

Each vial contains 400 µg total protein in 500 µl of 125 mM Tris-HCl, pH 6.8, 2% SDS, 10% glycerol, 200 mM 2-mercaptoethanol and 0.007% bromophenol blue.

Preparation of Markers and Instructions for Use

1. Heat the vial in a boiling water bath for 1-2 minutes and vortex. Immediately aliquot and store the unused portions at 2-8 °C.
2. Sample loading:

For Coomassie stained gels

Apply 5 µl per lane for a mini-gel (8 x 10 cm) or 10 µl per lane for a standard size gel (13 x 16 cm).

For silver stained gels or Western Blotting

Dilute the markers 1:15 in 1X sample buffer (125 mM Tris-HCl, pH 6.8, 2% SDS, 10% glycerol, 200 mM 2-mercaptoethanol and 0.007% bromophenol blue or Product No. S 3401). The loading volumes are the same as for Coomassie stained gels.

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