

HyperPAGE Prestained Protein Marker

Protein Marker: ~10 kDa to 190 kDa

Shipping: On Dry/Blue Ice Catalog Numbers

Batch No.: See vial BIO-33066: 50-100 lanes

Store at -20°C

meridian BIOSCIENCE™

Storage and Stability:

Lyophilized HyperPAGE is shipped on dry/blue ice. On arrival store at -20 °C for optimum stability. Once reconstituted with water, store at -20 °C for three months. Avoid multiple freeze/thaw cycles.

Expiry:

When stored under the recommended conditions and handled correctly, quality is retained until the expiry date on the outer box label.

Safety precautions:

Please refer to the material safety data sheet for further information.

Quality control specifications:

HyperPAGE is extensively tested for quality prior to release.

Notes:

Suitable for research or further manufacturing use only.

Reconstituted: ___/___

Use By: ___/___

See Box Label for Calibrated Molecular Weights

Description

HyperPAGE is a broad range prestained protein marker containing 9 purified recombinant proteins with molecular weights ranging from 10 kDa to 190 kDa. The proteins are prestained with fluorescent dyes and resolve into 4 blue and 5 pink bands with uniform intensity, for easy visualization and orientation.

HyperPAGE is suitable to monitor the efficiency of electrophoretic migration in SDS-PAGE and the transfer of proteins from gel to membrane in Western blotting without the addition of dye. Prestained protein markers are suitable for determining the approximate molecular weights of proteins.

Product components

Reagent	50-100 lanes
HyperPAGE Prestained Protein Marker	500 µL

Usage in Polyacrylamide Gel Electrophoresis

First time use: Add 100 µL or 500 µL water to the tube. Warm briefly to 37 °C and mix well. Load 10 µL per well on a standard polyacrylamide gel and 5 µL per well on a mini-gel. Aliquot and store at -20 °C.

Subsequent use: Thaw aliquot and use directly.

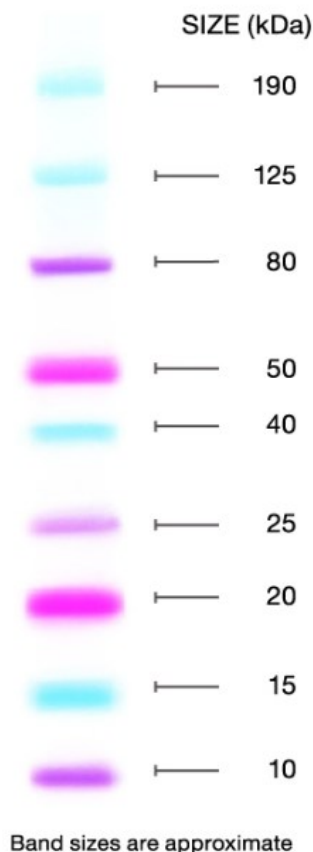
Important Considerations

Prestained proteins may display a different mobility in different SDS-PAGE buffer systems. Each buffer system has a slightly different pH which affects the charge of a protein and its binding capacity for SDS. However, they are suitable for approximate molecular weight determination when calibrated against unstained standards in the same system. For accurate sizing, the use of unstained markers is recommended.

Technical support

If the troubleshooting guide does not solve the difficulty you are experiencing, please contact Technical Support with details of reaction setup, cycling conditions and relevant data.

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