HiMark™ Unstained Protein Standard

novex® by life technologies™

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Package contents

Catalog Numbers	Size:
LC5688	250 µL

Storage conditions

- Store at –30°C to –10°C.
- Avoid repeated freezing and thawing.

Required materials

- Polyacrylamide gel(s)
- Electrophoresis apparatus for protein analysis
- Appropriate sample buffer (when silver staining)

Selection guide

Unstained Protein Standards
Go online to view related products.

Product description

- HiMark™ Unstained Protein Standard allows you to accurately determine molecular weight of high molecular weight proteins.
- This standard consists of 9 protein bands ranging in molecular weight from 40–500 kDa.
- Storage buffer: 250mM Tris-HCl (pH 8.5), 0.5 mM EDTA, 50 mM DTT, 10% glycerol, 2% LDS, 0.2 mM Coomassie G-250, and 0.175 mM Phenol Red

Important guidelines

- Use with NuPAGE® 3–8% or 7% Tris-Acetate Gels and Tris-Acetate SDS Buffer System under denaturing conditions. Click here to view our online Protein Gel Selection Guide.
- Visualize bands using Coomassie or silver staining techniques.
- DO NOT apply heat >37°C or add a reducing agent. HiMark™ Unstained Standard is supplied ready-to-use.

Online resources

Visit our product page for additional information and protocols. For support, visit www.lifetechnologies.com/support.

For Research Use Only. Not for use in diagnostic procedures.

18 March 2014

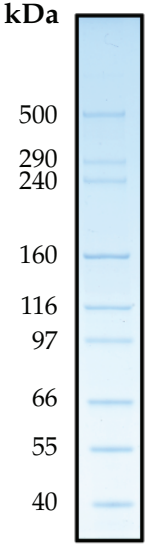
HiMark™ Unstained Protein Standard Protocol

Protocol

1. Thaw the standard at room temperature.
2. Vortex gently to ensure the solution is homogeneous.

   Note: If there is precipitate in the standard, thaw for 10–15 minutes at room temperature and vortex. If necessary, warm at 30°C (**do not** exceed 37°C).
3. (*Silver staining only*) Dilute the standard 1:20 in 1X Sample Buffer.
4. Load the standard on the gel (see table for recommended volumes).

Gel Type	Volume
Mini gel (1.0-mm thick)	5 µL
Mini gel (1.5-mm thick)	7 µL



5 µL of HiMark™ Unstained Protein Standard on a NuPAGE® 3–8% Tris-Acetate Gel with Tris-Acetate SDS Running Buffer.

Stain: SimplyBlue™ SafeStain.

Limited product warranty

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