

Store at
-20°C
#14208

Color-coded Prestained Protein Marker, Broad Range (11-250 kDa)

www.cellsignal.com

Support: 877-678-TECH (8324)
www.cellsignal.com/support

Orders: 877-616-CELL (2355)
orders@cellsignal.com

350 µl

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For Research Use Only. Not For Use In Diagnostic Procedures.

Description: Color-coded Prestained Protein Marker, Broad Range (11-250 kDa) is a mixture of purified proteins, covalently coupled to blue, green or orange dyes, that resolves to 12 bands between 11 and 250 kDa when subjected to electrophoresis. The protein concentrations are carefully balanced for even intensity. The covalent coupling of dye to protein affects the electrophoretic mobility in SDS-PAGE gels relative to uncoupled proteins. The apparent molecular weights of the prestained proteins are shown in the gel image.

Directions for Use:

Important: Do Not Boil Protein Marker

1. Thaw the protein ladder at room temperature.
2. Gently vortex solution to ensure the mixture is homogeneous.
3. Load the appropriate volume of the protein marker per lane, as specified below:

Mini-Gel: 0.75-1.0 mm thick: load 5 µl
1.5 mm thick: load 10 µl

Large Gel: 0.75-1.0 mm thick: load 10 µl
1.5 mm thick: load 20 µl

4. Unused ladder may be returned to -20°C for long-term storage.

Note on Apparent Molecular Weights:

The relative sizes of these protein markers may depend on the type of gel used and may appear different than expected. The coupling of a charged dye molecule to a protein marker alters the overall charge of the protein and will likely alter its mobility in an SDS polyacrylamide gel. The extent of this effect can vary with the properties of the gel type (e.g., Tris-glycine, Tris-Tricine, etc) used in the analysis. For this reason, the sizes of these marker proteins are expressed here as apparent molecular weights. For best results, we recommend using these prestained protein markers on a Tris-glycine SDS gel.

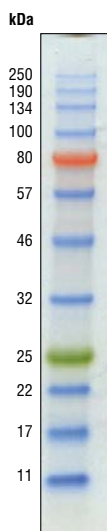


Image is from a 10-20% Tris-Glycine gel.

Storage: Supplied in 20 mM Tris-phosphate (pH 7.5 at 25°C), 3.6 M Urea, 2% (w/v) SDS, 0.2 mM DTT, and 15% glycerol.

Contains approximately 0.2 mg/ml of each protein. Store at -20°C for up to two years.

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