



DIRECTIONS FOR USE

Protein Molecular Marker Precise Ladder (J383)

For SDS-polyacrylamide gel electrophoresis

Protein molecular weight markers are important tools in determining the size of proteins separated by SDS-polyacrylamide gel electrophoresis. Many protein markers are glycosylated or have dyes covalently attached which can produce inconsistencies when determining sizes of unknown proteins. Genetically engineered proteins avoid this inconsistency and provide a more precise standard for determining unknown molecular weights.

AMRESCO introduces the first addition to a complete line of protein molecular markers, Protein Molecular Marker Precise Ladder (code J383), designed to meet your most stringent requirements when running protein molecular weight standards. The marker contains seven recombinant proteins, 15, 25, 35, 50, 75, 100, and 150 kDa, spaced at convenient intervals to allow easy identification in SDS-PAGE gels after Coomassie blue or silver staining.

The proteins are provided at a concentration of 800 µg/ml (total protein) in a buffer consisting of 125mM Tris•HCl, pH 6.8, 2% SDS, 10% glycerol, 200mM 2-mercaptoethanol and 0.007% bromphenol blue. Each vial (200 µl) contains 20 µg of each recombinant protein, with the exception of the 50 kDa protein, which is provided at twice the concentration (40 µg) for a convenient 2X reference. Five µl per lane is the recommended loading volume for mini-gels stained with Coomassie blue. For silver staining of mini-gels, dilute the markers 1/25 in 1X SDS-sample buffer and load 5 µl per lane. Protein Molecular Marker Precise Ladder should be stored at 4°C and will remain stable for 6 months from the date of shipment when stored as indicated.



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