

## Unstained Protein Marker- Medium Range Molecular Weight (14 - 90 kDa)

Catalog Number	Volume ( $\mu$ L)
#BP100	50, 100, 250, 500

### Description

The unstained medium range protein standard marker is a mixture of six highly purified proteins, which cover a medium range of molecular weights from 14 to 90 kDa. This standard allows accurate molecular weight determination when proteins are separated on SDS-PAGE. The 45 kDa band has increased intensity and serve as reference an indicator. This product is ready to use and additional loading buffer and heat incubation not required.

### Properties

**Source:** Native and Recombinant proteins

**Product Type:** MW Standards

**Broad Range:** 14-90 kDa

**Physical State:** Liquid

**Ready-to-use:** Supplied in a loading buffer for direct loading on gels

**Easily Identified:** The intensified ~45 kDa reference band

**Contents:** Approximately 0.1-0.5 mg/ml of each protein in 1x loading buffer

Loading Buffer: 50 mM Tris-HCl, pH 7.5, 2% (w/v) SDS, 250 mM NaCl, 1mM EDTA, 4% (v/v)  $\beta$ -Mercaptoethanol, 35% (v/v) Glycerol and 0.05% (w/v) bromophenol blue.

### Applications

Protein Molecular Weight Marker is designed for use in accurate estimation of protein molecular weight in SDS-polyacrylamide gel electrophoresis and western blotting. Thaw the cocktail at room temperature. Gently invert vial several times to ensure that the solution is homogeneous and that any precipitated material is re-dissolved. A loading volume of 6-8  $\mu$ L is appropriate for most gel formats.

### Storage

**Storage Condition:** -20° C

**Expiration Date:** One year from date of opening container

**Disclaimer:** This product is for research use only, not for drug, household, or other uses.