

## — PROTOCOL —

## UNveil Unstained Protein Ladder

Catalog Number	Unit Size	Reactions
PMU12-0500	500 ul	

- 5 ul per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel and for Western transferring.

**Storage** : Store at -20°C

Stable for up to 2 weeks at 25°C.

Stable for up to 3 months at 4°C.

For long term storage, store at -20°C.

### Description

The Unveil Unstained Protein Ladder is a mixture of 12 unstained recombinant proteins covering a wide range of molecular weights from 10 to 200 kDa. The proteins resolve into clearly identifiable bands when separated on the SDS-PAGE gel (MES buffer), with the intensified 25kDa and 85kDa protein bands serving as the two reference bands. The Unveil Unstained Protein Ladder is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis and verifying Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in the gel loading buffer and is ready to use

### Storage Buffer

20 mM Tris-phosphate(pH 7.5 at 25°C), 2 % SDS, 0.2 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol.

### Quality Control

Under suggested conditions, Unveil Unstained Protein Ladder resolves 12 major bands in 4-12% Bis-Tris Gel (MES buffer) and after Western blotting to the nitrocellulose membrane.

**Note.** The apparent molecular weight (kDa) of each protein has been determined by calibration against unstained protein standards; supplemental data should be considered for more accurate adjustment in different electrophoresis conditions. All products are for research use only.

**Caution:** Not intended for human or animal diagnostic or therapeutic uses.