

FastGene® BlueStar PLUS Protein Ladder

Cat. No. MWP 04

Size: 500 µl

Do not heat, dilute and/or add reducing agent before loading.

Description

The BlueStar Plus Prestained Protein Ladder is a three-color protein standard with 12 pre-stained proteins covering a wide range molecular weights from 10 to 245 kDa. Proteins are covalently coupled with a blue chromophore except for two reference bands (one green and one red band at 25 kDa and 75 kDa respectively) when separated on SDS-PAGE (Tris-glycine buffer). The BlueStar Plus Prestained Protein Ladder is designed for monitoring protein separation during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins. The ladder is supplied in gel loading buffer and is ready to use.

Storage Buffer:

Approximately 0.1~0.4 mg/ml of each protein in the 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

5 µl of BlueStar Prestained Protein Marker resolves 12 bands in 4-20% SDS-PAGE (Tris-glycine buffer) and after Western blotting to PVDF membrane.

Concentration

Approx. 0.1 – 0.4 mg/ml of each protein in the buffer

Range: 8 – 240 kDa

Number of bands: 12

Recommended Load: 3-5 µl / well

Storage

Stable at 25°C for 2 weeks.

Stable for up to 3 months at 4°C, long term storage at -20°C.

