

FastGene® BlueStar Protein Marker

Cat. No. MWP 03

Size: 500 µl

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

Description

The BlueStar Prestained Protein Marker is a three-color protein standard with 10 pre-stained proteins covering molecular weights from 10 to 180 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 Prestained Protein Marker is designed for monitoring proteins separated during SDS-polyacrylamide gel electrophoresis, verification of Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximate sizing of proteins. The marker 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, 1 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol.

Quality Control

5 µl of BlueStar Prestained Protein Marker resolves 10 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: 10 – 180 kDa

Number of bands: 10

Recommended Load: 3-5 µl / well

Storage

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

