

FastGene® BlueEasy Protein Ladder

Cat. No. MWP 06

Size: 500 µl

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

Description

The BlueEasy Prestained Protein Marker is a three-color protein standard with 10 prestained proteins covering a wide range of molecular weights from 6.5 to 270 kDa. Proteins are covalently coupled with a blue chromophore except for three reference bands (two orange bands at 30 kDa and 270 kDa and one green band at 52 kDa) when separated on SDS-PAGE (Tris-glycine buffer). The BlueEasy Prestained Protein Marker 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:

62.5 mM Tris-H₃PO₄ (pH 7.5 at 25 °C), 1 mM EDTA, 2 % SDS, 10 mM DTT, 1 mM NaN₃, 33 % glycerol.

Quality Control

5 µl of BlueEasy 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: 8 – 240 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.

NOTE

Note. The apparent molecular weight (kDa) of each protein has unstained protein standards; supplemental data should be corrected for different electrophoresis conditions.

