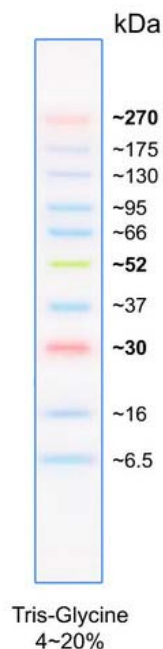


GRS Protein Marker MultiColour PLUS

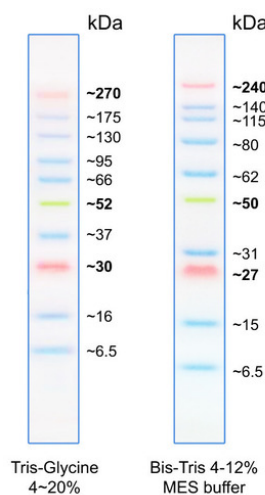
GLP03.0500 – 500µl
(for research only)

Product:	ready-to-use three-colour protein standard suitable for monitoring protein separation during SDS-PAGE, size determination of proteins, and verification of transfer efficiency of Western Blotting onto membrane (compatible with PVDF, nylon and nitrocellulose). This marker is composed of 10 pre-stained proteins ranging from 6,5kDa to 270kDa. For easy identification of each band, it includes three reference bands of different colours that co-migrate with proteins of 30kDa (red), 52kDa (green) and 270kDa (red), respectively, when separated by 4-20% gradient SDS-PAGE using TGS Buffer.
Quantity:	500µl of approx. 0.1~0.4 mg/ml of each protein in 20mM Tris-phosphate , pH 7.5 (25°C), 2% SDS, 1mM Dithiothreitol, 3.6M Urea, and 15% (v/v) Glycerol.
Storage:	Up to 2 weeks at room temperature, 3 months at +4°C, 2 years at -20°C.



Contents (kDa)**

6.5 | 16 | **30** | 37 | **52** | 66 | 95 | 130 | 175 | **270** (Tris-Glycine 4-20%)



The **apparent molecular weight of pre-stained proteins depends on the electrophoretic conditions and has been determined for SDS-PAGE using Tris-Glycine (4-20% gradient) and Bis-Tris 4-12% MES Buffer by calibration against an unstained protein marker.

Recommended Loading

3µl or 5µl for clear visualization during electrophoresis on mini-gel (100-150 lanes).

1.5~2.5 µl per well for general Western transferring (200-300 lanes).

Apply more for thicker (> 1.5 mm) or larger gels.

Quality Control

Functionally tested by 15% SDS-PAGE (using Tris-Glycine Buffer) followed by Western Blotting onto nitrocellulose membrane.

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