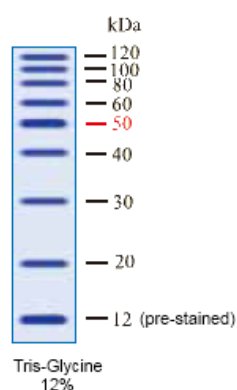


GRS Unstained Protein Marker

GLP10.0500 – 500µl
(for research only)

Product:	ready-to-use unstained protein standard suitable for size determination of proteins in SDS-PAGE. This marker is composed of 8 unstained proteins and 1 pre-stained protein (blue) for monitoring of electrophoresis and verification of transfer efficiency of Western Blotting onto membrane (compatible with PVDF, nylon and nitrocellulose). This unstained proteins range from 20kDa to 120kDa, whereas the pre-stained protein co-migrates with proteins of approximately 12kDa (depending on the SDS-PAGE conditions). For easy identification of each band, the 50kDa band has double intensity to serve as an internal reference.
Quantity:	2x 250µl of approx. 0.1 mg/ml of each unstained protein (0.2 mg/ml for the 50kDa reference protein) and 0.4mg/ml of the stained reference band in 50mM Tris-HCl, pH 6.8 (25°C), 5mM EDTA, 1% SDS, 10mM dithiothreitol, 0.01% phenol red, and 10% (v/v) glycerol.
Storage:	-20°C up to 2 years.



Contents (kDa)

12** | 20 | 30 | 40 | **50** | 60 | 80 | 100 | 120 (Tris-Glycine 12%)

)The **apparent molecular weight of pre-stained proteins depends on the electrophoretic conditions and has been determined for SDS-PAGE using Tris-Glycine (12%).

Recommended Loading

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

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

Ready to use

The protein marker is ready to use. There is no need for heating and/or adding of reducing agent.

Quality Control

Functionally tested by 12% SDS-PAGE (using Tris-Glycine Buffer) followed by Coomassie Brilliant Blue Staining and/or Western Blotting onto nitrocellulose membrane.

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