

## GRS Unstained Protein Marker

#GLP10.0500 (500 µl) | GLP10s (trial size)  
(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). These 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.

**Applications:** Protein Electrophoresis (PAGE), Western Blotting

**Quantity:** #GLP10.0500 contains 2x 250µl of approx. 0.1 mg/ml of each protein (0.2 mg/ml for the 50kDa reference protein and 0.4mg/ml of the pre-stained reference band) in 50mM Tris-HCl, pH 6.8 (25°C), 5mM EDTA, 1% SDS, 10mM dithiothreitol, 0.01% phenol red, and 10% glycerol (v/v), sufficient for 100-150 lanes  
#GLP10s is a trial sample (25µl) of GRS Unstained Protein Marker, sufficient for 5-10 lanes.

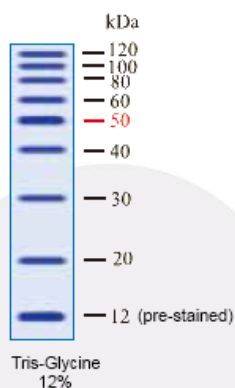
**Appearance:** Light blue liquid

**QC:** Functionally tested by SDS-PAGE followed by Western Blotting onto nitrocellulose membrane.

**Storage:** Store at -20°C for up to 2 years.

### Usage:

Load 3µl - 5µl/well for clear visualization during electrophoresis on mini-gels (100-150 lanes). Apply more for thicker (>1.5mm spacers) or larger gels.



Note that the **apparent molecular weight** of pre-stained proteins (in this case of the smallest band) depend on the electrophoretic conditions and has been determined for SDS-PAGE using Tris-Glycine (12%).