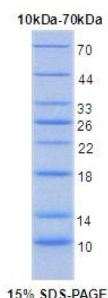


## 10-70 kDa Protein Marker (Stained)

Catalogue No.: abx098957



SDS-PAGE of Molecular Weight Marker.

Molecular weight marker for accurate protein sizing on SDS-polyacrylamide gels and Western blots. Electrophoresis of the marker on 13-18% Tris-glycine SDS-polyacrylamide gel resolves into 8 individual bands. The bands may not resolve if the gel % is too high or too low. Additional bands may be observed if there is DTT oxidation in the storage buffer.

This protein marker is intended for use with SDS-PAGE and should not be used for native electrophoresis or native gel. This marker is denatured and contains SDS in the storage buffer. SDS in the transfer buffer will disrupt the hydrophobic interactions between the membrane and the protein. There should be no more than 0.02% SDS in the transfer buffer. Alcohol can be used to enhance binding.

**Effective size range:** 10 kDa - 70 kDa.

**Protein bands:** 10 kDa, 14 kDa, 18 kDa, 22 kDa, 26 kDa, 33 kDa, 44 kDa, 70 kDa.

The 26 kDa, 18 kDa and 10 kDa bands are at double intensity to make the size approximation of the protein of interest easier.

**Target:** 10-70 kDa Protein Marker (Stained)

**Tested Applications:** WB, SDS-PAGE

**Form:** Liquid

**Storage:** Store at -20 °C for up to one year. The shelf life may be extended beyond one year by adding dithiothreitol (DTT) to approximately 50 mM. Avoid repeated freeze/thaw cycles.

**Buffer:** 62.5 mM Tris-H<sub>3</sub>PO<sub>4</sub> (pH 7.5 at 25 °C), 1 mM EDTA, 2% (w/v) SDS, 100 mM DTT, 1 mM sodium azide, 0.01% (w/v) bromophenol blue and 33% (v/v) glycerol.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

**Directions for use:** This product is ready to use, there is no need to heat, dilute or add reducing agents before use. Do not boil as this can cause band degradation.

Procedure:

1. Allow the marker to reach room temperature and thoroughly mix before use.

2. Load the following volumes of marker on an SDS-polyacrylamide gel:

- 3-5 µl per well for a mini gel

- 7 µl per well for a large gel

- Use the same volume for WB. The loading volumes are recommended for gels with a thickness of 0.75-1 mm. The loading volume should be doubled for 1.5 mm thick gels.

For Reference Only