

Product datasheet

Prestained Protein Ladder - Mid-range molecular weight (10 - 180 kDa) ab234617

[1 Image](#)

Overview

Product name	Prestained Protein Ladder - Mid-range molecular weight (10 - 180 kDa)
Tested applications	Suitable for: WB, SDS-PAGE
General notes	<p>Prestained Protein Ladder ab234617 is a blue protein standard with 11 pre-stained proteins covering a range of MW from 10-180 kDa. ab234617 is designed for monitoring protein separation in SDS-polyacrylamide gel electrophoresis and verifying Western transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the size of proteins.</p> <p>Key product features:</p> <p>Broad range: 10-180 kDa</p> <p>Ready to use: The protein ladder is supplied in the gel loading buffer and is ready to use.</p> <p>Easily identified: Proteins are covalently coupled with a blue chromophore, and two reference bands (at 25 kDa and 72 kDa respectively) are enhanced in intensity when separated on SDS-PAGE (Tris-glycine buffer).</p> <p>3 µl or 5 µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively. 1.5-2.5 µl per well for general Western transferring.</p> <p>Review other protein ladders in the unstained and prestained protein ladder guide.</p>

Properties

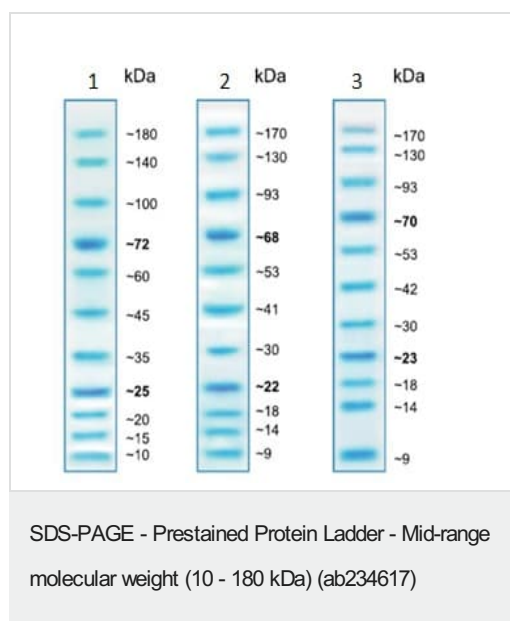
Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
Storage buffer	<p>pH: 7.50</p> <p>Constituents: 0.44% Tris phosphate, 2% Sodium lauryl sulfate, 0.003% DTT, 21.6% Urea, 15% Glycerol (glycerin, glycerine)</p>

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234617 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. For monitoring protein transfer onto membranes and sizing of proteins on WB. Recommended loading amounts: 1.5-2.5 µl.
SDS-PAGE		Use at an assay dependent concentration. For monitoring protein migration and sizing of proteins on SDS-PAGE. Recommended loading amounts: 3-5 µl per well for 15-well or 10-well mini-gel, respectively.

Images



SDS-PAGE analysis with ab234617.

Gel 1: Tris-Glycine 10%

Gel 2: Bis-Tris 4-12% MOPS buffer

Gel 3: Bis-Tris 4-12% MES buffer.

The apparent molecular weight of each protein (kDa) has been determined by calibration against an unstained protein ladder in each electrophoresis conditions.

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