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# Datasheet for ABIN2868518 BLUItra Prestained Protein Ladder

2 Images



#### Overview

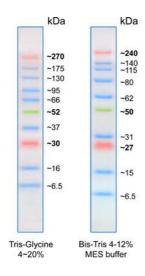
Quantity:	500 µL							
Detection Range:	6.5-270 kDa							
Minimum Detection Limit:	6.5 kDa							
Application:	SDS-PAGE (SDS), Western Blotting (WB)							
Product Details								
Purpose:	The BLUItra Prestained Protein Ladder is a three-color protein standard with 10 pre-stained							
	proteins covering a wide range of molecular weights from 6.5 to 270 kDa.							
Detection Method:	Colorimetric							
Characteristics:	Proteins are covalently coupled with a blue chromophore except for three reference bands (two							
	orange bands at 30 kDa and 270 kDa and one green band at 52 kDa) when separated on SDS-							
	PAGE (Tris-glycine buffer). The BLUltra Prestained Protein Ladder is designed for monitoring							
	protein separation during SDS-polyacrylamide gel electrophoresis and verifying Western							
	transfer efficiency on membranes (PVDF, nylon, or nitrocellulose) and for approximating the							
	size of proteins. The ladder is supplied in the gel loading buffer and is ready to use.							
Application Details								
Application Notes:	- 3 $\mu l$ or 5 $\mu l$ per loading for clear visualization during electrophoresis on 15-well or 10-well mini-							
	gel, respectively.							
	- 2.5 µl per well for general Western transferring.							
Reagent Preparation:	Quality Control: Under suggested conditions, BLUltra Prestained Protein Ladder resolves 10							
	major bands in 4-12 % Bis-Tris Gel(MES buffer) and after Western blotting to the nitrocellulose							

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#### Application Details

	membrane.						
Restrictions:	For Research Use only						
Handling							
Format:	Liquid						
Buffer:	Storage Buffer: 62.5 mM Tris-H3PO4 ( pH 7.5 at 25 °C), 1 mM EDTA, 2 % SDS, 10 mM DTT, 1 mM Sodium azide, 33 % glycerol.						
Storage:	-20 °C						
Storage Comment:	Stable for up to 2 weeks at 25°C. Stable for up to 3 months at 4°C.For long term storage, store at -20°C.						

#### Images



### SDS-PAGE

Image 1.

% of migration 0 % —	Tris-Glycine Gel							4-12% Bis-Tris Gel		3-8% Tris- Acetate Gel
	6 %	8 %	10 %	12 %	14 %	16 %	4-20 %	MOPS	MES	TA
0 %	270 175 130 95 66 52	270 175 130 95 66 52 37	270 175 130 95 66 52 37 30	270 135 95 66 52 37 30	270 188 60 52 37 30 16 6.5	270 178 85 82 37 30 16 6,5	270 175 130 95 66 52 37 30 16 6.5	240 140 115 80 58 50 31 25 15 6.5	240 140 415 80 62 50 31 27 15 6.5	200 150 120 85 60 50 30 28

#### SDS-PAGE

Image 2.