

AceColor Prestained Protein Marker (25-400 kDa)

Cat# A1058 – 2 x250 µl

Storage at -20°C

INFORMATION

ACE Biolabs AceColor Prestained Protein Ladder is a mixture of 7 blue-, 2 orange-, and a green-stained proteins (25 to 400 kDa) for use as size standards in protein electrophoresis (SDS-PAGE) and Western blotting. The protein ladder is supplied in a ready-to-use format for direct loading onto gels; no need to heat, reduce, or add sample buffer prior to use.

APPLICATIONS

- Monitoring protein migration during SDS-PAGE.
- Monitoring protein transfer efficiency on membranes after Western blot transferring.
- Sizing estimation of proteins on SDS-PAGE and Western blots.

PROTOCOL

- For SDS-PAGE: Loading 3 µl or 5 µl per well for clear monitoring electrophoresis on a 15-well or 10-well mini-gel. Apply more for a thicker (> 1.5 mm) or larger gel.
- For Western blotting: Loading 3~5 µl per well for monitoring electrophoresis and general Western blot transferring efficiency. Apply more for a thicker (> 1.5 mm) or larger gel.

Note: Do NOT heat, dilute, or add reducing agents before loading.

LADDER

Gel type	Tris-Glycine			Tris-Acetate		Bis-Tris	
	6%	7%	B4-20%	6%	T3-8%	T4-12%	T4-12%
Running buffer	Tris-Glycine			Tris-Acetate		MES	MOPS
Apparent Molecular Weights, kDa							
% length of gel ↓	10	400	400, 300, 250, 200, 160, 130	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	20	300, 250, 200, 160, 130	200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	30	200, 160, 130	130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	40	160, 130	100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	50	100	72	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	60	72		350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	70			350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	80		45	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	90	45		350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100
	100	25	25	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100	350, 300, 250, 200, 160, 130, 100, 65	350, 300, 250, 200, 160, 130, 100

PRODUCT USE LIMITATION

These products are intended for research use only.