## abcam

## Product datasheet

## Prestained Protein Ladder－Broad molecular weight（10－245 kDa）ab116028

高当青 3 Abreviews 16 References 1 图像

## 概述

产品名称 Prestained蛋白Ladder－Broad molecular weight（10－245 kDa）

经测试应用
常规说明

适用于：SDS－PAGE，WB
Prestained Protein Ladder ab116028 is a three－color protein standard with 12 pre－stained proteins covering a wide range of molecular weights from 10 to 245 kDa ．Proteins are covalently coupled with a blue chromophore except for two reference bands（one green and one red band at 25 kDa and 75 kDa respectively）when separated on SDS－PAGE（Tris－glycine buffer）．

This prestained protein ladder is designed for monitoring protein separation during SDS－ polyacrylamide gel electrophoresis，verification of Western transfer efficiency on membranes （PVDF，nylon，or nitrocellulose）and for approximating the size of proteins．The protein ladder is supplied in gel loading buffer and is ready to use．

Key product features：
Broad range：10－245 kDa
Ready－to－use：Supplied in a loading buffer for direct loading on gels．
Easy to identify：Includes green $\sim 25 \mathrm{kDa}$ and red $\sim 75 \mathrm{kDa}$ reference bands．
Sharp bands
Recommended loading：$\sim 1.5-2.5 \mu \mathrm{l}$

Review other protein ladders in the unstained and prestained protein ladder guide．
This product was previously called Prism Ultra Protein Ladder（10－245 kDa）．
Storage：Stable for up to 3 months at $4^{\circ} \mathrm{C}$ ．For long term storage，store at $-20^{\circ} \mathrm{C}$ ．

性能

## 形式

存放说明
存储溶液

Liquid
Please see notes section．
pH： 7.5
Constituents：0．44\％Tris citrate／phosphate，0．02\％Urea，2\％Sodium lauryl sulfate，0．02\％DTT， 15\％Glycerol

The Abpromise guarantee Abpromise ${ }^{T M}$ 承诺保证使用ab116028于以下的经测试应用
＂应用说明＂部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度／浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
| :--- | :--- | :--- |
| SDS－PAGE |  | Use at an assay dependent concentration． $3 \mu$ l or $5 \mu$ l per loading <br> for clear visualization during electrophoresis on 15－well or 10－well <br> mini－gel，respectively． |
| WB |  | Use at an assay dependent concentration． <br> $\sim 1.5-2.5 ~ \mu l ~ p e r ~ w e l l ~ f o r ~ g e n e r a l ~ w e s t e r n ~ t r a n s f e r r i n g . ~ A p p l y ~ m o r e ~$ |
| for thicker $(>1.5 \mathrm{~mm})$ or larger gel． |  |  |

图片


Gel 1：Tris－Glycine（～4－20\％），Gel 2：Bis－Tris（10\％）MOPS buffer， Gel 3：Bis－Tris（10\％）MES buffer．Pre－stained molecular weight standards have a differing mobility and as a consequence varying apparent molecular weight when run in distinct SDS－PAGE buffer systems．The variance in pH of alternative buffers affects the charge of the labelled protein standard and its binding capacity for SDS． The apparent molecular weight of this marker has been determined by calibration against an unstained ladder in each electrophoresis condition．

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