

Protein Ladder (10-245 kDa)



天津三箭生物技术股份有限公司
Tianjin Sungene Biotech Co., Ltd.
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
SG2002	250 μ l

Market | 400-621-0003
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Important Note: Centrifuge before opening to ensure complete recovery of vial contents.
This product is guaranteed up to one year from purchase.

Product Information

Description: SG2002 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).

SG2002 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 ladder is supplied in gel loading buffer and is ready to use.

Broad range: 10-245 kDa

Ready-to-use: Supplied in a loading buffer for direct loading on gels

Easy to identify: Includes green ~25 kDa and red ~75kDa reference bands

Recommended loading: ~1.5 - 2.5 μ l

Storage: Store at +4°C for 3 months; For long term storage, store at -20°C

Storage buffer: Constituents: 0.44% Tris citrate/phosphate, 2% SDS, 0.02% DTT, 0.02% Urea, 15% Glycerol

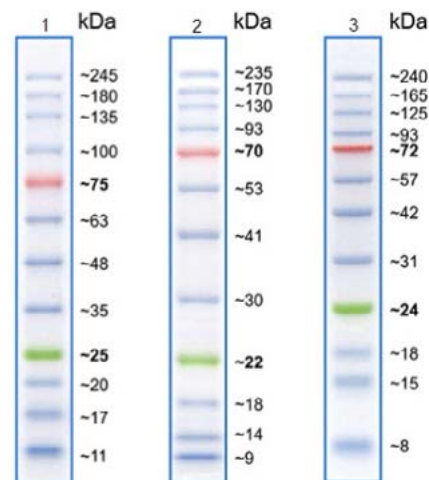
Tested Applications: WB(Western Blotting), SDS-PAGE

The application notes include recommended dilutions, the optimal dilutions/concentrations must be determined for individual use.

For Western Blotting, use at an assay dependent concentration. ~1.5-2.5 μ l per well for general Western transferring. Apply more for thicker (>1.5 mm) or larger gel.

For SDS-PAGE, use at an assay dependent concentration. 3 μ l or 5 μ l per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.

Protein Ladder Data



SDS-PAGE 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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