

## Smart Dual Color Pre-Stained Protein Standard (Cat. No. M00442)

**Size:** 250 $\mu$ l

**Concentration:**

Each protein is present at the concentration of 2 $\mu$ g/5 $\mu$ l. 5  $\mu$ l per lane is recommended to load on mini gel.

**Description:**

GenScript's Smart Dual Color Pre-Stained Protein Standard is used to estimate molecular weight of protein samples on SDS-PAGE gel, and evaluate the western transfer efficiency. The standard consists of six pre-stained proteins in the range of 16 to 94 kDa. The protein of 40 kDa is covalently coupled with orange dye for easy orientation, and the other proteins are covalently coupled with blue dye for easy visualization.

Smart Dual Color Pre-Stained Protein Standard is supplied in gel loading buffer and can be applied directly to a SDS-PAGE gel.

**Storage:**

The standard can be stored at -20°C for 12 months.

It is recommended to aliquot the standard into small volume.

**Storage buffer:**

100 mM Tris-HCl (pH 6.8), 5 mM EDTA, 10 mM DTT, 10% glycerol, 1% SDS, 0.01% phenol red.

**Note:**

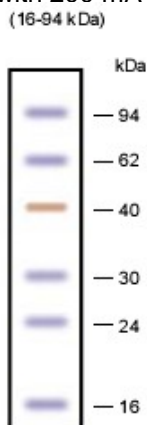
It is not necessary to boil the standard before use.

Mix the standard well before use.

Coupling of the dye to proteins affects the apparent molecular weight of proteins on SDS-PAGE. For precise molecular weight determination, it is suggested to use unstained protein standard.

**Example**

5  $\mu$ l of Smart Dual Color Pre-Stained Protein Standard is electrophoresized on 12% SDS-PAGE gel with 200 V for 50 minutes, then transferred onto PVDF membrane with 200 mA for 3 h, the result is shown below:



## VIII. ORDERING INFORMATION

Smart Dual Color Pre-Stained Protein Standard (250ul): M00442

**For Research Use Only.**

### **GenScript USA Inc.**

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