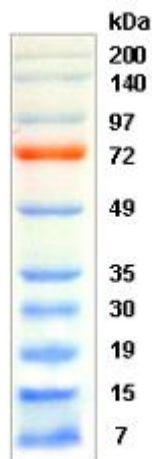


## Protocol

<b>Cat. No.:</b>	<b>REC021</b>
<b>Product Name:</b>	<b>RECOM EZ-Dual Wide Range Protein Marker(Blue/Orange), 250ul</b>
<b>Cat. No.:</b>	<b>REC021S</b>
<b>Product Name:</b>	<b>RECOM EZ-Dual Wide Range Protein Marker(Blue/Orange), Sample, 25ul</b>

### Introduction

RECOM EZ-Dual Wide Range Protein Marker (Blue/Orange) is designed as prestained recombinant protein marker. It's suitable as reference banding for proteins between 7kDa to 200kDa. RECOM EZ-Dual Wide Range Protein Marker (Blue/Orange) is ready-to-load on SDS-PAGE gels with no requirement for boiling. 10 discrete recombinant protein bands provide a wide and accurate range of reference by showing blue and orange banding. The proteins are covalently linked to chromophores, enabling visible detection during electrophoresis or following electrophoretic transfer. The 72kDa proteins are double concentrated for easier band identification.



### Recommended Loading Volume

Optimum 10ul/lane for a mini-gel. Load 5~10ul(10x8cm<sup>2</sup>, 0.75mm or 1mm thick).

Optimum 20ul/lane for a large-gel. Load 15~30ul(30x20cm<sup>2</sup>, 1mm or 1.5mm thick).

Optimum 5ul/lane for a western transfer onto PVDF or NC membranes.

### Storage Conditions

RECOM EZ-Dual Wide Range Protein Marker (Blue/Orange) should be stored immediately upon receipt at -20°C in a constant temperature freezer. RECOM EZ-Dual Wide Range Protein Marker (Blue/Orange) can be stored for up to 12 months without showing any deduction in performance and quality with proper storage.

## Notes

1. For best results, please aliquot into small volumes and store at  $-20^{\circ}\text{C}$ . For temporary storage,  $4^{\circ}\text{C}$  is recommended. Please prevent repeated freezing and thawing.
2. Repeated freezing and thawing, long-term storage and re-use of pipette tips may degrade proteins rapidly.
3. The marker is provided as ready-to-load on SDS-PAGE gels format. No need to boil before use.
4. If visible precipitation of SDS occurs following long-term storage at  $-20^{\circ}\text{C}$ , precipitant may be dissolved by a short heating step at  $50-80^{\circ}\text{C}$  for a few minutes.
5. Due to coupling of chromophore to the proteins in prestained markers, their apparent molecular weight may shift slightly in SDS-PAGE relative to unstained proteins. This shift does not change batch-to-batch. Therefore, we have labeled the prestained markers accurately to account for this shift. For highest accuracy (>95%), RECOM unstained protein markers are recommended. (REC007: RECOM UNSTAINED Wide Range Protein Marker; REC008: RECOM UNSTAINED Ruler Marker)