PUREGENE

# NEX-GEN-BlueALPHA Prestained Protein Ladder

Cat. No. PG800-0500PI Size: 500 µl

## Features

- 3 µl or 5 µl per loading for clear visualization during electrophoresis on 15-well or 10-well mini-gel, respectively.
- 1.5~2.5 µl per well for general Western transferring.
- Apply more for thicker (> 1.5 mm) or larger gel.
- The ladder is supplied in gel loading buffer and is ready to use.

## Description

The NEX-GEN-BlueALPHA Prestained Protein Ladder is a three-color protein standard with 13 pre-stained proteins covering a wide range molecular weights from 3.5 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).

## Applications

The NEX-GEN-BlueALPHA 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.

## Quality Control

Under suggested conditions, NEX-GEN-BlueALPHA Prestained Protein Ladder resolves 13 major bands in polyacrylamide gel with appropriate buffers and after Western blotting to nitrocellulose membrane.

## Storage

Stable for up to 3 months at 4°C. For long term storage, store at -20°C

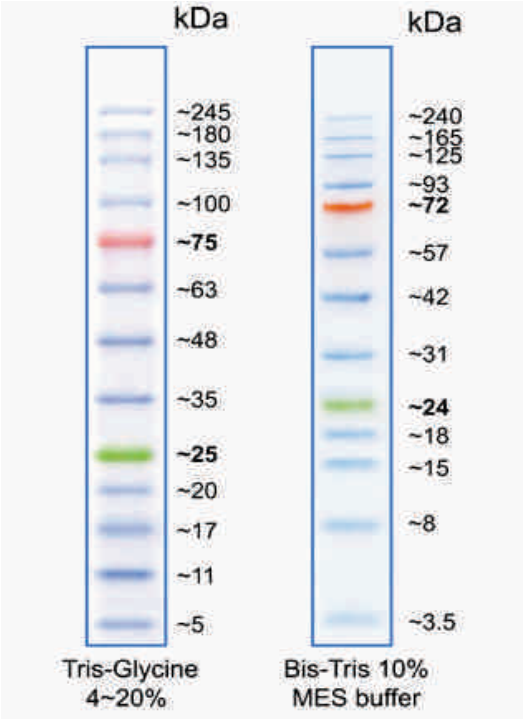


## Contents

Approximately 0.1~0.4 mg/ml of each protein in the buffer (20 mM Tris-phosphate, pH 7.5 at 25°C), 2 % SDS, 10 mM Dithiothreitol, 3.6 M Urea, and 15 % (v/v) Glycerol).

## Recommendations for Loading

1.Thaw the ladder either at room temperature or at 37-40°C for a few minutes to dissolve precipitated solids. Do not boil.
2.Mix thoroughly to ensure the solution is homogeneous.
3.Load the following volumes of the ladder on SDS-polyacrylamide gel:
- 5 µl per well for mini-gels, 2.5 µl per well for blots
- 10 µl per well for large gels, 5 µl per well for blots




www.genetixbiotech.com