PD0033_UG_EN_V2301

# GRIP1_6 PDZ Domain, *Homo sapiens*

| Catalogue number | Presentation |
|---|---|
| PD00331 | 0.25 mg |
| PD00332 | 3 x 0.25 mg |

## Description

GRIP1_6 PDZ Domain from *Homo sapiens* is a recombinant protein purified from *Escherichia coli*. The protein is provided in 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM $CaCl_2$ and 25% (v/v) glycerol, at a 0.5 mg/mL concentration. Bulk quantities of this product can be made available upon request. To place an order, simply visit our website. We offer fast and secure shipping worldwide.

## Electrophoretic Purity

GRIP1_6 PDZ Domain purity was evaluated using sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE), followed by BlueSafe staining (MB15201) (Figure 1).

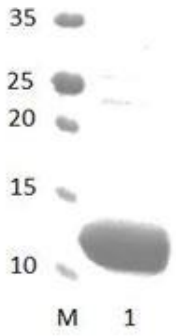


**Figure 1**. SDS-PAGE analysis of GRIP1_6 PDZ Domain was conducted in (Lane 1), employing a 14% polyacrylamide gel. The enzyme exhibits a band corresponding to a molecular weight of approximately 13.07 kDa. Lane M contains a Protein Marker for reference.

## Storage temperature

The protein should be stored at -30°C to -15°C in a constant temperature freezer. The protein will remain stable till the expiry date if stored as specified.

## Protein Sequence

SSGAIIYTVELKRYGGPLGITISGTEEPFDPIIISSLTKGGLAERTGAIHIGDRILAINSSSLKGKPLSEAIHLLQMAGETVTLKIKKQTDAQSASS

## Number of PDZ in native protein

6

## Temperature and pH optima

The protein exhibits optimal activity within a pH of 7 and at a temperature of 36.5 °C.

## PDB code

Not available

## Reference

Not available

## Customer Support

Our dedicated customer support team is always ready to assist you with any questions or technical issues you may have. Reach us via email at info@nzytech.com.

## Quality control assay

Protein purity is determined to be ≥90%, as assessed by SDS-PAGE and subsequent BlueSafe staining (MB15201).