

MPDZ_3 PDZ Domain, *Homo sapiens*

Catalogue number	Presentation
PD00731	0.25 mg
PD00732	3 x 0.25 mg

Description

MPDZ_3 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 CaCl₂ 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

MPDZ_3 PDZ Domain purity was evaluated using sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE), followed by BlueSafe staining (MB15201) (Figure 1).

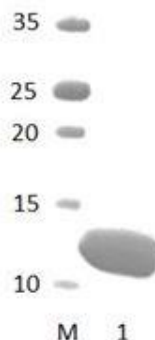


Figure 1. SDS-PAGE analysis of MPDZ_3 PDZ Domain was conducted in (Lane 1), employing a 14% polyacrylamide gel. The enzyme exhibits a band corresponding to a molecular weight of approximately 13.55 kDa. Lane M contains a Protein Marker for reference.

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

EESETFDVELTKNVQGLGITIAGYIGDKKLEPSGIFVKSITKSSAVEHDGRIQIGDQIIAVDGTNLQGFTNQQAVEVLRHTGQTVLLTLMRRGMKQE

Number of PDZ in native protein

3

Temperature and pH optima

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

PDB code

2IWN

Reference

Protein Sci. 16 (4), 683-694 (2007)

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 $\geq 90\%$, as assessed by SDS-PAGE and subsequent BlueSafe staining (MB15201).

For life science research only. Not for use in diagnostic procedures.

NZYtech Lda. Estrada do Paço do Lumiar, Campus do Lumiar - Edifício E, R/C, 1649-038 Lisboa, Portugal Tel.:+351.213643514 Fax:
+351.217151168 www.nzytech.com