

## TJP1\_2 PDZ Domain, *Homo sapiens*

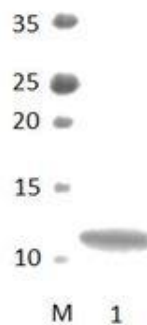
Catalogue number	Presentation
PD01181	0.25 mg
PD01182	3 x 0.25 mg

### Description

TJP1\_2 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<sub>2</sub> 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

TJP1\_2 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 TJP1\_2 PDZ Domain was conducted in (Lane 1), employing a 14% polyacrylamide gel. The enzyme exhibits a band corresponding to a molecular weight of approximately 11.99 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

PTKVTLVKSQRKNEEYGLRLASHIFVKEISQDSLAAARDGNIQEGDVVLKINGTVTENMSLTDAKTLIERSKGKLMVVQRDE

### Number of PDZ in native protein

## Temperature and pH optima

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

## PDB code

2JWE, 2RCZ

## Reference

Proteins 79 (4), 1342-1346 (2011); J. Biol. Chem. 282 (52), 37710-37716 (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](mailto:info@nzytech.com).

## Quality control assay

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

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