

DLG4_1 PDZ Domain, *Homo sapiens*

Catalogue number	Presentation
PD00191	0.25 mg
PD00192	3 x 0.25 mg

Description

DLG4_1 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

DLG4_1 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 DLG4_1 PDZ Domain was conducted in (Lane 1), employing a 14% polyacrylamide gel. The enzyme exhibits a band corresponding to a molecular weight of approximately 12.77 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

EYEEITLERNGLGFSIAGGTDNPHIGDDPSIFITKIIPGGAAQDGRRLRVNDSILFVNEVDVREVTHSAAVEALKEAGSIVRLVVMRRK

Number of PDZ in native protein

1

Temperature and pH optima

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

PDB code

1KEF, 3ZRT

Reference

J. Biol. Chem. 277 (9), 6967-6973 (2002); Proc. Natl. Acad. Sci. U.S.A. 109 (9), 3317-3322 (2012)

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.

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