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PDZD11 Human

Catalog #:PRPS-1270

For research use only.

Description:PDZD11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 163 amino acids (1-140 a.a) and having a molecular mass of 18.5kDa.PDZD11 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:PDZ domain-containing protein 11, ATPase-interacting PDZ protein, Plasma membrane calcium ATPase-interacting single-PDZ protein, PMCA-interacting single-PDZ protein, PDZD11, AIPP1, PDZK11, PISP.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMDSRIPY DDYPVVFLPA YENPPAWIPP HERVHHPDYN NELTQFLPRT ITLKKPPGAQ LGFNIRGGKA SQLGIFISKV IPDSDAHRAG LQEGDQVLAV NDVDFQDIEH SKAVEILKTA REISMRVRFF PYNYHRQKER TVH.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
PDZD11 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
PDZ Domain Containing 11 (PDZD11) is a cytosolic protein which contains one PDZ (DHR) domain. PDZD11 displays a resemblance to members of the MALS / VELIS family of proteins. PDZD11 contains but one PDZ domain which seemingly interacts with the C-terminus of partner proteins. PDZD11 is ubiquitously expressed and targets calcium and copper ATPases to basolateral cell membranes. PDZD11 is a briefly interacting partner of the PMCA b-splice forms which have a role in their sorting to or from the plasma membrane.

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