
Product Data Sheet

Product Name: PDZD11 Human
 Cat. No.: GP24156
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDSRIPY DDYPVFLPA YENPPAWIPP HERVHHPDYN NELTQFLPRT ITLKKPPGAQ LGFNIRGGKA SQLGIFISKV IPDSDAHRAG LQEGDQVLAV NDVDFQDIEH SKAVEILKTA REISMRVRF PYNHRQKER TVH.		
Formulation	PDZD11 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.		

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.

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.

Background

PDZD11 Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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