9051 Mira Mesa Blvd, #910094
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PARD6B Human

Par-6 Partitioning Defective 6 Homolog Beta Human Recombinant RCP1585

Product Overview

Name	PARD6B Human
Description	
Par-6 Partitioning Defective 6 Homolog Beta Human Recombinant	
Accession (Primary)	Q9BYG5
Synonyms	
Partitioning defective 6 homolog beta, PAR-6 beta, PAR-6B, PARD6B, PAR6B.	
Introduction	
Partitioning defective 6 homolog beta (PARD6B) belongs to the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. Cellular asymmetry is crucial for the development of multicellular organisms. PARD (partitioning-defective) proteins have central roles in asymmetric cell division and polarized growth, whereas Cdc42 and Rac mediate establishment of cell growth and polarity and contribute to oncogenic transformation by Ras. PARD6B is expressed in pancreas and in both the adult and the fetal kidney, and is weakly expressed in the placenta and the lung.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The PARD6B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl.	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MNRSHRH GAGSGCLGTM EVKSKFGAEF RRFSLERSKP GKFEEFYGLL QHVHKIPNVD VLVGYADIHG DLLPINNDDN YHKAVSTANP LLRIFIQKKE EADYSAFGTD TLIKKKNVLT NVLRPDNHRK KPHIVISMPQ DFRPVSSIID VDILPETHRR VRLYKYGTEK PLGFYIRDGS SVRVTPHGLE	

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KVPGIFISRL VPGGLAQSTG LLAVNDEVLE VNGIEVSGKS LDQVTDMMIA NSRNLIITVR PANQRNNVVR NSRTSGSSGQ STDNSLLGYP QQIEPSFEPE DEDSEEDDII IEDNGVPQQI PKAVPNTESL ESLTQIELSF ESGQNGFIPS NEVSLAAIAS SSNTEFETHA PDQKLLEEDG TIITL.

Precautions

PARD6B Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9BYG5)