
Product Data Sheet

Product Name: PARD6B Human
 Cat. No.: GP24123
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Partitioning defective 6 homolog beta; PAR-6 beta; PAR-6B; PARD6B; PAR6B.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMNRSHRH GAGSGCLGTM EVKSKFGAEF RRFSLESKP GKFEFYGLL QHVHKIPNVD VLVGYADIHG DLLPINDDN YHKAVSTANP LLRIFIQKKE EADYSAFGTD TLIKKKNVLT NVLRPDNHRK KPHIVISMPQ DFRPVSSIID VDILPETHRR VRLYKYGTEK PLGFYIRDGS SVRVTPHGLE KVPGIFISRL VPGGLAQSTG LLAVNDEVLE VNGIEVSGKS LDQVTMMIA NSRNLIITVR PANQRNNVVR NSRTSGSSGQ STDNSLLGYP QQIEPSFEPE DEDSEEDDII IEDNGVPPQI PKAVPNTESL ESLTQIELSF ESGQNGFIPS NEVSLAAIAS SSNTEFETHA PDQKLEEDG TIITL.		
Formulation	The PARD6B solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 20% glycerol and 0.2M NaCl.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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

PAR6B Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 395 amino acids (1-372) and having a molecular mass of 43.6kDa. PAR6B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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