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# PARD6B Human

**Catalog #:**PRPS-1314

For research use only.

**Description:**PARD6B 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.PARD6B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Synonyms:**Partitioning defective 6 homolog beta, PAR-6 beta, PAR-6B, PARD6B, PAR6B.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMNRSHRH GAGSGCLGTM EVKSKFGAEF RRFSLERSKP GKFEEFYGLL QHVHKIPNVD VLVGYADIHG DLLPINNDDN YHKAVSTANP LLRIFIQKKE EADYSAFGTD TLIKKKNVLT NVLRPDNHRK KPHIVISMPQ DFRPVSSIID VDILPETHRR VRLYKYGTEK PLGFYIRDGS SVRVTPHGLE KVPGIFISRL VPGGLAQSTG LL

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

**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.

**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:**
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.

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