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Recombinant human PARD6B protein

Catalog Number: ATGP1840

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-372aa

UniProt No.

O9BYG5

NCBI Accession No.

NP 115910

Alternative Names

Partitioning defective 6 homolog beta, PAR6B

PRODUCT SPECIFICATION

Molecular Weight

43.6 kDa (395aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol, 0.2M NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Partitioning defective 6 homolog beta, also known as PARD6B, is a member of 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 critical for the development of multicellular organisms. PARD (partitioning-defective) proteins play important 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. It is expressed in pancreas and in both adult and fetal kidney, and is weakly expressed in placenta and lung.



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Recombinant human PARD6B protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

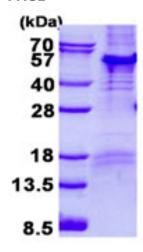
MGSSHHHHHH SSGLVPRGSH MGSMNRSHRH GAGSGCLGTM EVKSKFGAEF RRFSLERSKP GKFEEFYGLL QHVHKIPNVD VLVGYADIHG DLLPINNDDN YHKAVSTANP LLRIFIQKKE EADYSAFGTD TLIKKKNVLT NVLRPDNHRK KPHIVISMPQ DFRPVSSIID VDILPETHRR VRLYKYGTEK PLGFYIRDGS SVRVTPHGLE KVPGIFISRL VPGGLAQSTG LLAVNDEVLE VNGIEVSGKS LDQVTDMMIA NSRNLIITVR PANQRNNVVR NSRTSGSSGQ STDNSLLGYP QQIEPSFEPE DEDSEEDDII IEDNGVPQQI PKAVPNTESL ESLTQIELSF ESGQNGFIPS NEVSLAAIAS SSNTEFETHA PDQKLLEEDG TIITL

General References

Joberty G., et al. (2000) Nat Cell Biol. 2:531-539. Qiu R G., et al. (2000) Curr Biol. 10:697-707.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

