

AR39061PU-N

Human Septin-5 (SEPT5) (1-369, His-tag) - Purified

Alternate names:	CDCrel-1, Cell division control-related protein 1, PNUTL1, Peanut-like protein 1
Quantity:	0.1 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	SEPT5, also known as septin-5, belongs to the septin gene family of nucleotide binding proteins, originally described in yeast as cell division cycle regulatory proteins. Septins are highly conserved in yeast, Drosophila, and mouse and appear to regulate cytoskeletal organization. Disruption of septin function disturbs cytokinesis and results in large multinucleate or polyploid cells.
Uniprot ID:	Q99719
NCBI:	NP_002679
GeneID:	5413
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 40% glycerol, 0.3M NaCl, 1mM DTT
Description:	Recombinant human SEPT5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMTGLRY KSKLATPEDK QDIDKQYVGF ATLPNQVHRK SVKKGDFTL MVAGESGLGK STLVHSLFLT DLYKDRKLLS AEERISQTV E ILKHTVDIEE KGVKLKLTIV DTPGFGDAVN NTECWKPITD YVDQQFEQYF RDESGLNRKN IQDNRVHCCL YFISPFHGHL RPDVVGFMKA LHEKVNIIVPL IAKADCLVPS EIRKLKERIR EEIDKFGIHV YQFPECDSDE DEDFKQQDRE LKESAPFAVI GSNTVVEAKG QRVGRGLYPW GIVEVENQAH CDFVKLRNML IRTMHDLKD VTCDVHYENY RAHCIQQMTS KLTQDSRMES PIPILPLPTP DAETEKLRM KDEELRRMQE MLQRMKQMQ DQ Molecular weight: 45.2 kDa (392aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Blaeser S., et al. (2002) FEBS Lett. 519:169-172. Hall P.A., et al. (2005) J. Pathol. 206:269-278.

Pictures:

Recombinant human SEPT5, 1-369aa, His-tagged

