

**AR50069PU-S****Human Septin-6 / SEPT6 (1-434, His-tag) - Purified****Alternate names:**

KIAA0128, SEP2

**Quantity:**

0.1 mg

**Concentration:**

0.5mg/ml (determined by Bradford assay)

**Background:**

Septins belong to the GTPase superclass of proteins and have been functionally implicated in cytokinesis and the maintenance of cellular morphology. SEPT6 is member of septin family and interact with SEPT2. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins.

**Uniprot ID:**[Q14141](#)**NCBI:**[AAH09291](#)**GeneID:**[23157](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl**Description:**

Recombinant human SEPT6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

```
MGSSHHHHHH SGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFD S LPDQLVNKSV
SQGFCFNILC VGETGLGKST LMDTLFNTKF EGEPTHHTQP GVQLQSNTYD LQESNVRLLK
TIVSTVGF GD QINKEDSYKP IVEFIDAQFE AYLQEELKIR RVLHTYHDSR IHVCLYFIAP
TGHSLKSLDLVTM KKLD SKV NIIP IAKAD AISKSELTKE KIKITSELVS NGVQIYQFPT
DDESVAEING TMNAHL PFAV IGSTEELKIG NKMMRARQYP WGTVQVENE A HCDFVKLREM
LIRVNMEDLR EQTHTRHYEL YRCKLEEMG FKDTDPDSKP FSLQETYEAK RNEFLGELQK
KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLLKLLHQD EKKKLEDK K SLDDDEVNAFK
QRKTA AELPQ SQGSQAGGSQ TLKRDKEKKN NPWLCTE
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**Molecular weight:** 52.1kDa, (457aa) 52.1kDa, (457aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Nakahira M, et al. (2010) PLoS One. 5(11):e13799 Kremer B.E., et al. (2007) Cell 130:837-850

Pictures:

