

**SEPT6, 1-434aa, Human, His tag, E.coli**

**Cat.NO.: TP03891**

3th Edition

**Synonyms:**Septin 6, SEP2.

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl

**Molecular Weight:**52.1kDa, (457aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSM AATDIARQV GEGCRTVPLAGHVGFD SLPDQLVNKSVSQGF CNILCVGET  
GLGKSTLMDTLFNTKFEGEPATH TQPGVQLQSNTYDLQESN VRLKLTIVSTVGFGDQINKEDSYKPIVEFIDAQFEA  
YLQEELKIRRVLHTYHDSRIHVCL YFIAPTGHSLKSLDLVTM KKLDSKVNIPIIAKADAISK SELTKFKIKITSELV SNGV  
QIYQFPTDDESVAEINGTMNAHL PFAVIGSTEELKIGNKMMR ARQYPWGT VQVENEAHCDFV KLRMLIRVNMEDL  
REQTHTRHYELYRRCKLEEMGF KDTPDSKPFSLQET YEAKRNEFLG ELQKKEEEMRQMFVQRV KEKEAELKEAE  
KELHEKFDRLKKLHQDEKKKLED KKKSLDDEVNAFKQRKTA AE L PQSQGSQAGGSQTLKRDKEKKNNPWLC TE

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.