

## Recombinant Human Septin 6, His-tagged

Cat. No. SEPT6-6885H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SEPT6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 52.1 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-434aa
<b>Description</b>	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.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl.
<b>Molecular Mass</b>	52.1kDa (457aa)
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFDSD LPDQLVNKSV SQGFCFNILC VGETGLGKST LMDTLFNTKF EGEPATHTQP GVQLQSNTYD LQESNVRLKL TIVSTVGFQD QINKEDSYKP IVEFIDAQFE

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AYLQEELKIR RVLHTYHDSR IHVCLYFIAP TGHSLKSLDL VTMKKLDSKV  
 NIIPIAKAD AISKSELTKF KIKITSELVS NGVQIYQFPT DDESVAEING  
 TMNAHLPFAV IGSTEELKIG NKMMRARQYP WGTVQVENEH HCDFVKLREM  
 LIRVNMEDLR EQTHTRHYEL YRRCKLEEMG FKDTDPDSKP FSLQETYEAK  
 RNEFLGELQK KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLLKHLHQD  
 EKKKLEDKKK SLDDEVNAFK QRKTAALPQ SQGSQAGGSQ TLKRDKEKKN  
 NPWLCTE

**Purity** >90% by SDS - PAGE

**Applications** SDS-PAGE

**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.

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

## GENE INFORMATION

**Gene Name** [SEPT6 septin 6 \[ Homo sapiens \]](#)

**Official Symbol** SEPT6

**Synonyms** SEPT; septin 6; SEP2; SEPT2; RP5-876A24.2; septin-6; septin 2; KIAA0128; MGC16619; MGC20339; Nkrf; RCG53214, isoform CRA\_d; SEPT6/MLL FUSION GENE; SEPT6\_HUMAN

**Gene ID** [23157](#)

**mRNA Refseq** [NM\\_145802](#)

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<b>Protein Refseq</b>	NP_665801
<b>MIM</b>	300683
<b>UniProt ID</b>	Q14141
<b>Chromosome Location</b>	Xq24
<b>Function</b>	GTP binding; protein binding

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