

Recombinant Human Septin 6, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-434aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 100mM NaCl.
Molecular Mass	52.1kDa (457aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFD LPDQLVNKSV SQGFCFNILC VGETGLGKST LMDTLFNTKF EGEPATHTQP GVQLQSNTYD LQESNVRLKL TIVSTVGFGD QINKEDSYKP IVEFIDAQFE

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AYLQEELKIR RVLHTYHDSR IHVCLYFIAP TGHSLKSLDL VTMKKLDSKV
 NIIPIAKAD AISKSELTKF KIKITSELVS NGVQIYQFPT DDESVAEING
 TMNAHLPFV IGSTEELKIG NKMMRARQYP WGTVQVENEH HCDFVKLREM
 LIRVNMEDLR EQTHTRHYEL YRRCKLEEMG FKDTDPDSKP FSLQETYEAK
 RNEFLGELQK KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLLKLHQD
 EKKKLEDKKK SLDDEVNAFK QRKTAAELPQ 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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Protein Refseq	NP_665801
MIM	300683
UniProt ID	Q14141
Chromosome Location	Xq24
Function	GTP binding; protein binding

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