

AR50069PU-N

Human Septin-6 / SEPT6 (1-434, His-tag) - Purified

Alternate names:

KIAA0128, SEP2

Quantity:

0.5 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:

MGSSHHHHH SSGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFD S LPDQLVNKSV
SQGFCFNILC VGETGLGKST LMDTLFNTKF EGEPATHTQP GVQLQSNTYD LQESNVRLLK
TIVSTVGFGD QINKEDSYKP IVEFIDAQFE AYLQEELKIR RVLHTYHDSR IHVCLYFIAP
TGHSLKSLDL VTMKKLDSKV NIPIIAKAD AISKSELTKE KIKITSELVS NGVQIYQFPT
DDESVAEING TMNAHLPAFV IGSTEELKIG NKMMRARQYP WGTQVQVNEA HCDFVKLREM
LIRVNMEDLR EQTHTRHYEL YRRCKLEEMG FKDTDPDSKP FSLQETYEAK RNEFLGELQK
KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLLKLLHQD EKKKLEDKKE SLDDEVNAFK
QRKTAALPQ SQGSQAGGSQ TLKRDKEKKN NPWLCTE

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:

