

Recombinant human SEPT6/SEPTIN6 protein

Catalog Number: ATGP1244

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-434aa

UniProt No.

Q14141

NCBI Accession No.

AAH09291

Alternative Names

Septin 6, 40788

PRODUCT SPECIFICATION

Molecular Weight

52.1 kDa, (457aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

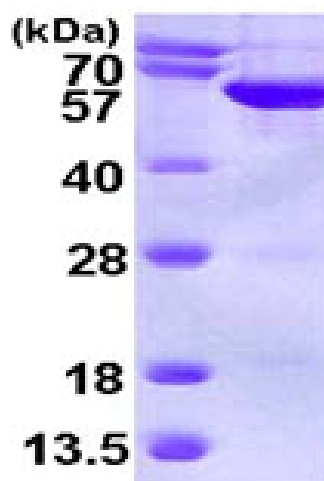
MGSSHHHHHH SSGLVPRGSH MGSMAATDIA RQVGEGCRTV PLAGHVGFDL LPDQLVNKSV SQGFCFNILC VGETGLGKST
LMDTLFNTKF EGEPATHTQP GVQLQSNTYD LQESNVRLKL TIVSTVGFGD QINKEDSYKP IVEFIDAEFE AYLQEELKIR
RVLHTYHDSR IHVCLYFIAP TGHSLSKSLDL VTMKKLDSKV NIIPIAKAD AISKSELTKF KIKITSELVS NGVQIYQFPT
DDESVAEING TMNAHLPFAV IGSTEELKIG NKMMRARQYP WGTVQVENEH HCDVFKLREM LIRVNMEDLR EQTHTRHYEL
YRRCKLEEMG FKDTDPDSKP FSLQETYEAK RNEFLGELQK KEEEMRQMFV QRVKEKEAEL KEAEKELHEK FDRLLKLLHQD
EKKKLEDEKKK SLDDEVNAFK QRKTAELPQ SQGSQAGGSQ TLKRDKEKKN NPWLCTE

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)