Recombinant human ZWILCH protein

Catalog Number: ATGP2709

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-591aa

UniProt No.
Q9H900

NCBI Accession No.
NP_060445

Alternative Names
Protein zwilch homolog, hZwilch, KNTC1AP

PRODUCT SPECIFICATION

Molecular Weight
69.6 kDa (614aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Purity
> 85% 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
ZWILCH belongs to the ZWILCH family. This protein is an essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. It is required for the assembly of the dynein-dynactin and MAD1-MAD2 complexes onto kinetochores. Recombinant human ZWILCH protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence
<MGSSHHHHHH SSGLVPRGSH MGS>MWERLNC AAEDFYSRLL QKFNEEKKGI RKDPFLYEAD VQVQLISKGQ

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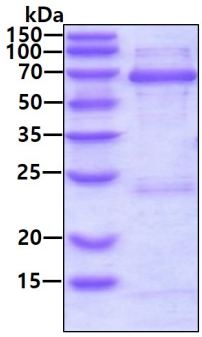
PNPLKNILNE NDIVFIVEKV PLEKEETSHI EELQSEETAI SDFSTGENVG PLALPVGKAR QLIGLYTMAH NPNMTHLKIN LPVTALPPLW VRCDSSDPEG TCWLGAELIT TNNSITGIVL YVVSCKADKN YSVNLENLKN LHKKRHHLST VTSKGFAQYE LFKSSALDDT ITASQTAIAL DISWSPVDEI LQIPPLSSTA TLNIKVESGE PRGPLNHLYR ELKFLLVLAD GLRTGVTEWL EPLEAKSAVE LVQEFLNDLN KLDGFGDSTK KDTEVETLKH DTAAVDRSVK RLFKVRSDLD FAEQLWCKMS SSVISYQDLV KCFTLIIQSL QRGDIQPWLH SGSNSLLSKL IHQSYHGTMD TVSLSGTIPV QMLLEIGLDK LKKDYISFFI GQELASLNHL EYFIAPSVDI QEQVYRVQKL HHILEILVSC MPFIKSQHEL LFSLTQICIK YYKQNPLDEQ HIFQLPVRPT AVKNLYQSEK PQKWRVEIYS GQKKIKTVWQ LSDSSPIDHL NFHKPDFSEL TLNGSLEERI FFTNMVTCSQ VHFK

General References

Wang,C., et al. (2008) . Biol. Chem. 283 (17), 11565-11574
Meng,F., et al. (2003) Brain Res. 967 (1-2), 161-169

DATA

SDS-PAGE



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