

Recombinant Human ZWILCH, His-tagged

Cat. No. ZWILCH-216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ZWILCH, 1-591 aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-591aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	69.6kDa(614aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMWERLNC AAEDFYSRLL QKFNEEKKGI RKDPFLYEAD VQVQLISKGQ PNPLKNILNE NDIVFIVEKV PLEKEETSHI EELQSEETA I SDFSTGENVG PLALPVGKAR QLIGLYTMAH NPNMTHLKIN LPVTALPPLW VRCDSSDPEG TCWLGAELIT TNNSITGIVL YVVSCKADKN YSVNLENLKN LHKKRHHLST VTSKGFAQYE LFKSSALDDT ITASQTAIAL

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DISWSPVDEI LQIPPLSSTA TLNIKVESGE PRGPLNHLYR ELKFLLVLAD
 GLRTGVTEWL EPLEAKSAVE LVQEFLNDLN KLDGFGDSTK KDTEVETLKH
 DTAAVDRSVK RLFKVRSDLD FAEQLWCKMS SSVISYQDLV KCFTLIQSL
 QRGDIQPWLH SGSNSLLSKL IHQSYHGTM TVSLSGTIPV QMLLEIGLDK
 LKKDYISFFI GQELASLNHL EYFIAPSVDI QEQVYRVQKL HHILEILVSC
 MPFIKSQHEL LFSLTQICIK YYKQNPLDEQ HIFQLPVRPT AVKNLYQSEK
 PQKWRVEIYS GQKKIKTVWQ LSDSSPIDHL NFHKPDFSEL TLNGSLEERI
 FFTNMVTC SQ VHF K

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name ZWILCH Zwilch, kinetochore associated, homolog (Drosophila) [Homo sapiens]

Official Symbol ZWILCH

Synonyms ZWILCH; Zwilch, kinetochore associated, homolog (Drosophila); protein zwilch homolog; FLJ10036; KNTC1AP; homolog of Drosophila Zwilch; hZwilch; FLJ16343; MGC111034;

Gene ID 55055

mRNA Refseq NM_017975

Protein Refseq NP_060445

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MIM	609984
UniProt ID	Q9H900
Chromosome Location	15q22.31
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;
Function	protein binding;

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