

ZWILCH, 1-591 aa, Human, His tag, E.coli

Cat.NO.: TP04544

3th Edition

Synonyms:Protein zwilch homolog, hZwilch, KNTC1AP

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 Weight:69.6kDa(614aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMWERLNCAAEDFYSRLLQKFNEEKKGIRKDPFLYEADVQVQLISKGQPNPL
KNILNENDIVFIVEKVPLEKEETSHIEELQSEETAISDFSTGENVGPLALPVGKARQLIGLYTMAHNPNMTHLKINLPVT
ALPPLWVRCDSSEPEGTCWLGAEIITNNSITGIVLYVVSCADKNYSVNLENLKNLHKKRHHLSTVTSKGFAYEL
FKSSALDDTITASQTAIALDISWSPVDEILQIPPLSSTATLNIKVESGEPGRPLNHLRELKFLVLADGLRTGVTEWLE
PLEAKSAVELVQEFNLNLDLNGDGFSTKDKTEVETLKHDTAAVDRSVKRLFKVRSDLDFAEQLWCKMSSSVISYQ
DLVKCFTLIIQSLQRGDIQPWLHSGSNSLLSKLIHQSYHGTMDTVSLSGTIPVQMLLEIGLDKLLKDYISFFIGQELASL
NHLEYFIAPSVDIQEQVYRVQKLHILEILVSCMPFIKSQHELLFSLTQICIKYYKQNPLDEQHIFQLPVRPTAVKNLYQ
SEKPQKWRVEIYSGQKKIKTVWQLSDSSPIDHLNFHKPDFSELTLNGSLEERIFFTNMVTCSQVHFK

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.