
Product Data Sheet

Product Name: ZWILCH Human

Cat. No.: GP25053

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms hZwilch; KNTC1AP; Protein zwilch homolog; ZWILCH.

Amino Acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMWERLNC AAEDFYSRLL QKFNEEKKGI
 RKDPFLYEAD VQVQLISKGQ PNPLKNILNE NDIVFIVEKV PLEKEETSHI
 EELQSEETAI SDFSTGENVG PLALPVGKAR QLIGLYTMAH NPNMTHLKIN
 LPVTALPPLW VRCDSSEPEG TCWLGAELIT TNNSITGIVL YVVSCKADKN
 YSVNLENLKN LHKKRHHHLST VTSKGFAQYE LFKSSALDDT ITASQTAIAL
 DISWSPVDEI LQIPPLSSTA TLNIKVESGE PRGPLNHLYR ELKFLVLAD
 GLRTGVTEWL EPLEAKSAVE LVQEFLNDLN KLDGFGDSTK KDTEVETLKH
 DTAAVDRSVK RLFKVRSDLD FAEQLWCKMS SSVISYQDLV KCFTLIQSL
 QRGDIQPWLH SGSNSLLSKL IHQSYHGTMD TVSLSGTIPV QMLLEIGLDK
 LKKDYISFFI GQELASLNHL EYFIAPSVDI QEQVYRVQKL HHILEILVSC
 MPFIKSQHEL LFSLTQICIK YYKQNPLDEQ HIFQLPVRPT AVKNLYQSEK
 POKWRVEIYS GQKKIKTVWQ LSDSSPIDHL NFHKPDFSEL TLNGSLEERI
 FFTNMVTCSQ VHFK.

Formulation ZWILCH protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 20% glycerol and 1mM DTT.

Introduction

Zwilch Kinetochore Protein which is also known as ZWILCH is a part of the ZWILCH family. ZWILCH is a vital part of the mitotic checkpoint. ZWILCH prevents the cells from exiting mitosis prematurely. ZWILCH is also necessary for the assembly of the dyneindynactin and MAD1-MAD2 complexes onto kinetochores.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ZWILCH Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 614 amino acids (1-591 a.a) and having a molecular mass of 69.6kDa. ZWILCH is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA