Recombinant human ZWINT protein

Catalog Number: ATGP2646

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-230aa

UniProt No.
O95229

NCBI Accession No.
NP_001005413

Alternative Names
ZW10 interactor isoform b, HZwint-1, KNTC2AP, ZWINT1

PRODUCT SPECIFICATION

Molecular Weight
27.9 kDa (253aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M 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
ZW10 interactor isoform b, also known as ZWINT, is clearly involved in kinetochore function. Localized to the cytoplasm during interphase and to kinetochores from late prophase to anaphase, ZWINT interacts with ZW10 (Zeste White 10) and functions to regulate the association between ZW10 and kinetochores. Defects in the gene encoding ZWINT are associated with the pathogenesis of Roberts's syndrome, an autosomal recessive disorder characterized by growth retardation due to premature chromosome separation. Recombinant human ZWINT protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

chromatography techniques.

Amino acid Sequence

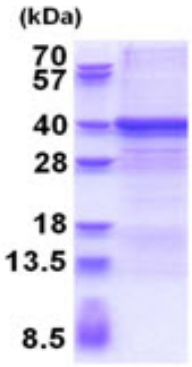
MGSSHHHHHH SSGLVPRGSH MGSMEAAETE AEAAALEVLA EVAGILEPVG LQEEAELPAK ILVEFVVDSQ KKDKLLCSQL QVADFLQNIL AQEDTAKGLD PLASEDTSRQ KAIAAKEQWK ELKATYREHV EAIKIGLTKA LTQMEEAQRK RTQLREAFEQ LQAKKQMAME KRRAVQNQWQ LQQEKHLQHL AEVSAEGKLL FPEAEAEAEN LPDDKPQQPT RPQEQSTGDT MGRDPGVSFK AVGLQPAGDV NLP

General References

Musio A., et al. (2004) Gene. 331: 33-40.
Lin Y T., et al. (2006) Oncogene. 25: 6901-6914.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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