

ZWINT, 1-230aa

Cat.NO.: TP04545

3th Edition

Synonyms:HZwint-1, KNTC2AP, ZWINT1

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMEEAETEAEAAALEVLAEVAGILEPVGLQEEAELPAKILVEFVVDSQKKDKLL
CSQLQVADFLQNILAQEDTAKGLDPLASEDTSRQKAIAAKEQWKELKATYREHVEAIKIGLTKALTQMEEAQRKRTQ
LREAFEQLQAKKQMAMEKRRRAVQNQWQLQKEKHLQHAEVSAEGKLLFPEAEAEAENLPDDKPQQPTRPQEQST
GDTMGRDPGVSFKAVGLQPAGDVNLP

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.