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ZWINT Human

ZW10 Interacting Kinetochore Protein Human Recombinant
RCP2622

Product Overview

Name	ZWINT Human

Description

ZW10 Interacting Kinetochore Protein Human Recombinant

Accession (Primary)	O95229

Synonyms

ZW10 Interacting Kinetochore Protein, ZWINT, ZW10 Interactor, HZwint-1, KNTC2AP, ZWINT1, Human ZW10 Interacting Protein-1, ZW10 Interactor Kinetochore Protein zwint-1, Zwint-1, ZW10-Interacting Protein 1.

Introduction

ZW10 Interacting Kinetochore Protein (ZWINT) is involved in kinetochore function. ZWINT is part of the MIS12 complex, which is essential for kinetochore formation and spindle checkpoint activity. ZWINT is localized to the cytoplasm during interphase and to kinetochores from late prophase to anaphase. ZWINT interacts with ZW10 (Zeste White 10) and regulates the association between ZW10 and kinetochores. ZWINT gene defects are linked with the pathogenesis of Roberts′s syndrome, an autosomal recessive disorder characterized by growth retardation due to premature chromosome separation.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The ZWINT solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability

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

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MEAAETE AEAAALEVLA EVAGILEPVG LQEEAELPAK ILVEFVVDSQ KKDKLLCSQL QVADFLQNIL AQEDTAKGLD PLASEDTSRQ KAIAAKEQWK ELKATYREHV EAIKIGLTKA

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LTQMEEAQRK RTQLREAFEQ LQAKKQMAME KRRAVQNQWQ LQQEKHLQHL AEVSAEGKLL FPEAEAEAEN LPDDKPQQPT RPQEQSTGDT MGRDPGVSFK AVGLQPAGDV NLP.

Precautions

ZWINT Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O95229)