

ZWINT/ZW10 interactor Protein, Human (His)

Cat. No.:	HY-P71000
Synonyms:	ZW10 Interactor; ZW10-Interacting Protein 1; Zwint-1; ZWINT
Species:	Human
Source:	E. coli
Accession:	AAI10400.1 (M1-P277)
Gene ID:	11130
Molecular Weight:	Approximately 35 kDa

PROPERTIES

AA Sequence	<pre> M E A A E T E A E A A A L E V L A E V A G I L E P V G L Q E E A E L P A K I L V E F V V D S Q K K D K L L C S Q L Q V A D F L Q N I L A Q E D T A K G L D P L A S E D T S R Q K A I A A K E Q W K E L K A T Y R E H V E A I K I G L T K A L T Q M E E A Q R K R T Q L R E A F E Q L Q A K K Q M A M E K R R A V Q N Q W Q L Q Q E K H L Q H L A E V S A E V R E R K T G T Q Q E L D G V F Q K L G N L K Q Q A E Q E R D K L Q R Y Q T F L Q L L Y T L Q G K L L F P E A E A E A E N L P D D K P Q Q P T R P Q E Q S T G D T M G R D P G V S F K A V G L Q P A G D V N L P </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ZW10 interactor (ZWINT) is clearly involved in kinetochore function. ZWINT interacts with ZW10, a kinetochore protein, possibly regulating the association between ZW10 and kinetochores. ZWINT is part of the MIS12 complex, which is required for kinetochore formation and spindle checkpoint activity. ZWINT localizes to prophase kinetochores before ZW10 does and it remains detectable on the kinetochore until late anaphase. ZWINT has a uniform distribution in the cytoplasm of interphase cells ^{[1][2][3][4]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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