# Recombinant Human ZWINT Protein, His-tagged

**Cat. No.** ZWINT-608H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ZWINT Protein (Met1-Pro277) with N-His tag was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Met1-Pro277 |
| **Description** | This gene encodes a protein that is clearly involved in kinetochore function although an exact role is not known. It interacts with ZW10, another kinetochore protein, possibly regulating the association between ZW10 and kinetochores. The encoded protein localizes to prophase kinetochores before ZW10 does and it remains detectable on the kinetochore until late anaphase. It has a uniform distribution in the cytoplasm of interphase cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | Predicted Molecular Mass: 35.0 kDa<br>Accurate Molecular Mass: 41 kDa |
| **Purity** | > 90% |
| **Applications** | Positive Control; Immunogen; SDS-PAGE; WB. |

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| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| **Storage Buffer** | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300. |
| **Reconstitution** | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

## GENE INFORMATION

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| **Gene Name** | ZWINT ZW10 interactor [ Homo sapiens (human) ] |
| **Official Symbol** | ZWINT |
| **Synonyms** | ZWINT; ZW10 interactor; KNTC2AP; zwint-1; ZW10-interacting protein 1; human ZW10 interacting protein-1; ZWINT1; HZwint-1; MGC117174 |
| **Gene ID** | 11130 |
| **mRNA Refseq** | NM_001005413 |
| **Protein Refseq** | NP_001005413 |
| **MIM** | 609177 |
| **UniProt ID** | O95229 |

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