

Recombinant Human ZWINT Protein (His Tag)

Catalog No. PKSH033243

Note: Centrifuge before opening to ensure complete recovery of vial contents.

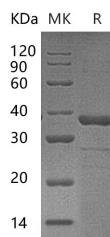
Description

Synonyms	ZW10 Interactor;ZW10-Interacting Protein 1;Zwint-1;ZWINT
Species	Human
Expression Host	E.coli
Sequence	Met 1-Pro277
Accession	AAI10400.1
Calculated Molecular Weight	33.4 kDa
Observed molecular weight	36 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

ZW10 Interactor is localized to the kinetochores from late Prophase to Anaphase and has a uniform distribution in the cytoplasm of Interphase cells. ZWINT interacts ZW10, MIS12 and NDC80 subunit of the NDC80 complex specifically

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during mitosis. ZWINT is a part of the MIS12 complex which is required for kinetochore formation and spindle checkpoint activity. In addition, ZWINT is required to target ZW10 to the kinetochore at prometaphase.