Recombinant Human ZWINT Protein (His Tag)

Catalog Number:PKSH033243

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

Properties

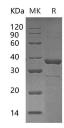|	
Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 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.

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