



Recombinant Protein Technical Manual

Recombinant Human ZWINT Protein (His Tag)

RPES3087

Product Data:

Product SKU: RPES3087

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O95229

Protein Information:

Molecular Mass: 33.4 kDa

AP Molecular Mass: 36 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: ZW10 Interactor; ZW10-Interacting Protein 1; Zwint; ZWINT

Immunogen Information:

Sequence: Met 1-Pro277

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.