Recombinant Protein Technical Manual

Recombinant Human ZBTB17/Miz Protein (His Tag)

RPES2871

Product Data:

Product SKU: RPES2871

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q13105

Protein Information:

Molecular Mass: 22.3 kDa

AP Molecular Mass: 23 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℃ 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 20mM PB, 150mM NaCl, pH 7.25.

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

Application:

Synonyms: Zinc Finger and BTB Domain-Containing Protein 17; Myc-Interacting Zinc Finger Protein 1; Miz; Zinc Finger Protein 151; Zinc Finger Protein 60; ZBTB17; MIZ1; ZNF151; ZNF60

Immunogen Information:

Sequence: Met 1-Ala188

Background:

Zinc Finger and BTB Domain-Containing Protein 17 (ZBTB17) belongs to the Kruppel C2H2-type zinc finger protein family. ZBTB17 may function as a housekeeping DNA-binding protein that regulates the expression of specific genes, it has been shown to bind to the promoters of adenovirus major late protein and cyclin D1 and activate transcription. ZBTB17 may has growth arrest activity, probably through inhibition of cell cycle progression. ZBTB17 required for early embryonic development during gastrulation. ZBTB17 induces cell arrest at G1, an effect mediated by its activation of the gene coding for P15INK4b. This effect is blocked by Myc, which displaces transcriptional coactivators bound to ZBTB17. Although the downregulation of ZBTB17 may contribute to Myc-induced cell transformation, the de-activation of ZBTB17 is absolutely essential for Myc-induced apoptosis.