Datasheet for ABIN1097149

ZBTB17 Protein (AA 1-188) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	ZBTB17
Protein Characteristics:	AA 1-188
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB17 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ZBTB17/Miz-1 (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MDFPQHSQHV LEQLNQQRQL GLLCDCTFVV DGVHFKAHKA VLAACSEYFK MLFVDQKDVV HLDISNAAGL GQVLEFMYTA KLSLSPENVD DVLAVATFLQ MQDIITACHA LKSLAEPATS PGGNAEALAT EGGDKRAKEE KVATSTLSRL EQAGRSTPIG PSRDLKEERG GQAQSAASGA EQTEKADA
Characteristics:	Recombinant Human Zinc Finger and BTB Domain-Containing Protein 17/ZBTB17 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ala188) of Human ZBTB17 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	ZBTB17
Alternative Name:	Miz-1/ZBTB17 (ZBTB17 Products)
Sub Type:	Fusionprotein
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. Alternative Names: Zinc Finger and BTB Domain-Containing Protein 17, Myc-Interacting Zinc Finger Protein 1, Miz-1, Zinc Finger Protein 151, Zinc Finger Protein 60, ZBTB17, MIZ1, ZNF151, ZNF60
Molecular Weight:	22.33 kDa
UniProt:	Q13105
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, ER-Nucleus Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.25.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Handling

Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months