Recombinant Human ZBTB17, His-tagged

Cat. No. ZBTB17-7964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Zinc Finger and BTB DomainContaining Protein 17/ZBTB17 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1Ala188) of Human ZBTB17 fused with a His tag at the Cterminus.
Species	Human
Source	E.coli
Description	Zinc Finger and BTB DomainContaining Protein 17 (ZBTB17) belongs to the Kruppel C2H2type zinc finger protein family. ZBTB17 may function as a housekeeping DNAbinding 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 Mycinduced cell transformation, the deactivation of ZBTB17 is absolutely essential for Mycinduced apoptosis.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.25
AA Sequence	MGSSHHHHHH SSGLVPRGSH MDFPQHSQHV LEQLNQQRQL GLLCDCTFVV DGVHFKAHKA VLAACSEYF KMLFVDQKDV VHLDISNAAG LGQVLEFMYT

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	AKLSLSPENV DDVLAVATFL Q MQDIITAC HALKSLAEPA TSPGGNAEAL ATEGGDKRAK EEKVATSTLS RLEQAGRSTP IG PSRDLKE ERGGQAQSAA SGAEQTEKAD A*
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 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 less than 20°C. for 3 months.

GENE INFORMATION

Gene Name	ZBTB17 zinc finger and BTB domain containing 17 [Homo sapiens]
Official Symbol	ZBTB17
Synonyms	ZBTB17; zinc finger and BTB domain containing 17; RP1-134O19.2, MIZ-1, ZNF151, ZNF60, pHZ-67; Myc-interacting Zn finger protein-1; myc-interacting zinc finger protein 1; zinc finger and BTB domain-containing protein 17; zinc finger protein 151 (pHZ-67); zinc finger protein 60; HGNC:12936
Gene ID	7709
MIM	604084
UniProt ID	Q13105
Chromosome Location	1p36.13

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Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; C-MYC pathway, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem;
Function	DNA binding; metal ion binding; protein binding; sequence-specific DNA binding transcription factor activity; zinc ion binding

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