

Recombinant Human ZBT17 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51082

Size: 10ug, 100ug

Protein Name: Zinc finger and BTB domain-containing protein 17 (Myc-interacting zinc finger protein 1) (Miz-1) (Zinc finger protein 151) (Zinc finger protein 60)

Synonym: ZBTB17, MIZ1, ZNF151, ZNF60

UniProt ID: Q13105

UniProt Link: www.uniprot.org/uniprotkb/Q13105/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 803 AA

Molecular Weight: 88 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MDFPQHSQHVLQNLNQQRQLGLLCDCTFVVDGVHFKAHKAVLAACSEYFKMLFVDQKDVVHLDISN
AAGLGQVLEFMYTAKLSLSPENVDDVLAVATFLQMQDIITACHALKSLAEPATSPGGNAEALATEGG
DKRAKEEKVATSTLSRLEQAGRSTPIGPSRDLKEERGGQAQSAASGAEQTEKADAPREPPPVELKP
DPTSGMAAAEAEALSESSEQEMEVEPARKGEEEQKEQEEQEEEGAGPAEVKEEGSQLENGEAP
ENENEESAGTDSGQELGSEARGLRSGTYGDRTESKAYGSVIHKCEDCGKEFTHTGNFKRHRIHTG
EKPFSCRECSKAFSDPAACKAHEKTHSPLKPYGCEECGKSYRLISLLNLHKKRHSGEARYRCEDCG
KLFTTSGNLKRHLVHSGEKPYQCDYCGRSFSDPTSKMRHLETHDTEKHKCPHCDKKFNQVGNL
KAHLKIHIADGPLKCRECGKQFTTSGNLKRHLRIHSGEKPYVCIHCQRQFADPGALQRHVRIHTGEKP
CQCVMCGKAFTQASSLIAHVQRHTGEKPYVCERCGRFVQSSQLANHIRHHDNIRPHKCSVCSKAF
VNVGDLSKHIIIHTGEKPYLCKDCGRGFNRVDNLRSHVKT VHQQKAGIKILEPEEGSEVSVVTVDDMV
TLATEALAATAVTQLTVVPVGA AVTADETEVLKAEISKAVKQVQEEDPNTHILYACDSCGDKFLDANS
LAQHVRIHTAQALVMFQTDADFYQQYGPGGTWPAGQVLQAGELVFRPRDGAEGQPALAETSPTAP
ECPPPAE

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Zinc finger and BTB domain-containing protein 17 (Myc-interacting zinc finger protein 1) (Miz-1) (Zinc finger protein 151) (Zinc finger protein 60) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Transcription factor that can function as an activator or repressor depending on its binding partners, and by targeting negative regulators of cell cycle progression. Plays a critical role in early lymphocyte development, where it is essential to prevent apoptosis in lymphoid precursors, allowing them to survive in response to IL7 and undergo proper lineage commitment. Has been shown to bind to the promoters of adenovirus major late protein and cyclin D1 and activate transcription. Required for early embryonic development during gastrulation. Represses RB1 transcription; this repression can be blocked by interaction with ZBTB49 isoform 3/ZNF509S1 (PubMed:25245946).

Subcellular Localization: Nucleus .

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.