

Recombinant Mouse ZBT32 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51932

Size: 10ug, 100ug

Protein Name: Zinc finger and BTB domain-containing protein 32 (Repressor of GATA)
(Testis zinc finger protein)

Synonym: Zbtb32, Rog, Tzfp

UniProt ID: Q9JKD9

UniProt Link: www.uniprot.org/uniprotkb/Q9JKD9/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 465 AA

Molecular Weight: 51 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MPQTPTRLVSPYGSDDLVLQLAARLRPALCDTLITVGGLEFPAHSLVLGASPRLGCRGRWALVEDIS
PSTFAQILTFVYGESIELQPGELGDLEEAALGVQALEEACQRAQKGKDEDELDPGLKRHHQQSEDF
MRGSEGLGSPGEKQKPEKDFRSNGREQEMSHKHKAPGERPEMAGATRMMSSEEVMRGIESHK
GSEESLRGCPDPLSPPGSLTSLIPRPWWAEVPRLGEGQSALWSILLWPSRYGAPFSHSTPITAAW
QVRPQDQRIPLTLNHSKALWSQNQLASSSPTPGSFPQGTESLSPWQIETSGQGFTGLATCVSQR
TLNCPSHQHPPLSPARSRPYSCSVCGKRFSCLKHQMETHYRVHTGEKPFSCSLCPQRSRDFSAMT
KHLRTHGAAPYRCPLCRAGCPSLASMQAHRGHSPSRLPPGWTIRSTFLYSSSRPTRASSSPGSP
TSSAAT

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 32 (Repressor of GATA) (Testis zinc finger protein) 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: DNA-binding protein that binds to the to a 5'-TGTACAGTGT-3' core sequence. May function as a transcriptional transactivator and transcriptional repressor (By similarity). Probably exerts its repressor effect by preventing GATA3 from binding to DNA. May play a role in regulating the differentiation and activation of helper T-cells.

Subcellular Localization: Nucleus. Note=Located in nuclear speckles.

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.