

Recombinant Mouse ZBT45 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52054

Size: 10ug, 100ug

Protein Name: Zinc finger and BTB domain-containing protein 45 (Zinc finger protein 499)

Synonym: Zbtb45, Gm157, Zfp499

UniProt ID: Q52KG4

UniProt Link: www.uniprot.org/uniprotkb/Q52KG4/entry

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 520 AA

Molecular Weight: 55 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MAATEAVHHIHLQNFSSRLLETNLNGQRLGGHFCDVTVRIREASLRAHRCVLAAGSPFFQDKLLLGHS
EIRVPPVPAQTVRQLVEFLYSGSLVVAQGEALQVLTAASVLRIQTVIDECTQIIARARVPNTPAPAPL
PPPVPPLAPAQLRHRLRHLLAARPPGHPNAAHSRKQRQPARLQLPAPPAPIKAEGPDAEPALTAAP
EDRGEEDDDEETDEETDAEEGEGGGGGPGEGQAPPAFPDCAGGFLTAAADSAREDPPASTGITDY
GGAGRDFLRGTGVTEDEVFPDSYVSAWHEESSGGPESCPVETSAPPDCALAGPRPTGVKTPGPPVA
LFPFHLGAPGPPAPTPTPSGPAPAPPPTFYPTLQPDAAPSAQLGETQAVPAAPAAQATAISGTPVR
APGGQGAEQPAYECSHCRKTFSSRKNYTKHMFHISGEKPHQCAVCWRSFSLRDYLLKHMVTHTGV
RAFQCAVCAKRFTQKSSLNVHMRTHRPERAPCPACGKVFSHRALLERHLAAHPAP

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 45 (Zinc finger protein 499) 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: May be involved in transcriptional regulation (Probable). In the central nervous system, may play a role in glial cell differentiation (PubMed:21131782).

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.