

Recombinant Human ZBT35 Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP51088

Size: 10ug, 100ug

Protein Name: Zinc finger and BTB domain-containing protein 35 (Zinc finger protein 131)

Synonym: ZBTB35, ZNF131

UniProt ID: P52739

UniProt Link: www.uniprot.org/uniprotkb/P52739/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 623 AA

Molecular Weight: 71 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MEAEETMECLQEFPEHHKMILDRLENEQREQDRFTDITLIVDGHFFKAHKAVLAACSKFFYKFFQEFT
QEPLVEIEGVSKMAFRHLIEFTYTAKLMIQGEEDANDVWKAEEFLQMLEAIKALEVRNKEN SAPLEEN
TTGKNEAKKRKIAETSNVITESLPSAESEPVEIEVEIAEGTIEVEDEGIETLEEVASAKQSVKYIQSTGS
SDDSALALLADITSKYRQGDRKGQIKEDGCPSPDPTSKQVEGIEIVELQLSHVKDLFHCEKCNRSFKLF
YHFKEHMKSHSTESFKCEICNKRYLRESAWKQHLNCRYHLEEGGVSKKQRTGKKIHVCQYCEKQFD
HFGHFKEHLRKHTGEKPFECPNCHERFARNSTLKCHLTACQTGVGAKKGRKKLYECQVCNSVFNS
WDQFKDHLVIHTGDKPNHCTLCDLWFMQGNELRRHLSDAHNI SERLVTEEVLSVETRVQTEPVTSM
TIIEQVGKVHVLPLLQVQVDSAQVTVEQVHPDLLQDSQVHDSHMSSELPEQVQVSYLEVGRIQTEEGT
EVHVEELHVERVNQMPVEVQTELEADLDHVTPEIMNQEERESSQADAAEAAREDHEDAEDLET KP
TVDSEAEKAENEDRTALPVLE

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 35 (Zinc finger protein 131) 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 plays a key role in immune cell development, particularly in T-cell maturation and early B-cell differentiation (By similarity). It also contributes to embryonic development and organogenesis, and is involved in maintaining normal function of the adult central nervous system (By similarity). May be involved in transcriptional regulation as a repressor of ESR1/ER-alpha signaling (PubMed:18847501, PubMed:22467880).

Subcellular Localization: Nucleus . Note=Sumoylation does not affect nuclear localization.

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.