

Recombinant Human MAZ Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50663

Size: 10ug, 100ug

Protein Name: Myc-associated zinc finger protein (MAZI) (Pur-1) (Purine-binding transcription factor) (Serum amyloid A-activating factor-1) (SAF-1) (Transcription factor Zif87) (ZF87) (Zinc finger protein 801)

Synonym: MAZ, ZNF801

UniProt ID: P56270

UniProt Link: www.uniprot.org/uniprotkb/P56270/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 477 AA

Molecular Weight: 49 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MFPVFPCTLLAPFPVLGLDSRGVGGMLMNSFPPPPQGH AQNPLQVGAELQSRFFASQGCAQSPFQA
APAPPPTPQAPAAEPLQVDLLPVLAAQESAAAAAAAAAAAAA VAAAPPAPAAASTVDTAALKQPPA
PPPPPPVSAPAAEAAPPASAATIAAAAATAVVAPTSTVAVAPVASALEKTKSKGPYICALCAKEFK
NGYNLRRHEAIHTGAKAGRVPSGAMKMPTMVPLSLLSVPQLSGAGGGGGGEAGAGGGGAAVAAGG
VTTTTASGKRIRKNHACEMCGKAFRDVYHLNRHKLSHSDEKPYQCPVCQQRFKRKDRMSYHVRSH
DGAVHKPYNCSHCGKSFSRPDHLNSHVRQVHSTERPFKCEKCEAAFATKDRLRAHTVRHEEKVPC
HVCCKMLSSAYISDHMKVHSQGPHHVCELCNKGTGEVCPMAAAAAAAAAAAAAA VAAAPPTAVGSL
SGAEGVPVSSQPLPSQPW

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 Myc-associated zinc finger protein (MAZI) (Pur-1) (Purine-binding transcription factor) (Serum amyloid A-activating factor-1) (SAF-1) (Transcription factor Zif87) (ZF87) (Zinc finger protein 801) 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: Transcriptional regulator, potentially with dual roles in transcription initiation and termination.; [Isoform 1]: Binds DNA and functions as a transcriptional activator (PubMed:12270922). Binds to two G/A-rich sites, ME1a1 and ME1a2, within the MYC promoter having greater affinity for the former (PubMed:1502157). Also binds to multiple G/C-rich sites within the promoter of the Sp1 family of transcription factors (PubMed:1502157).; [Isoform 2]: Binds DNA and functions as a transcriptional activator (PubMed:12270922). Inhibits MAZ isoform 1-mediated transcription (PubMed:12270922).; [Isoform 3]: Binds DNA and functions as a transcriptional activator.

Subcellular Localization: Nucleus . Note=In brains of Alzheimer disease patients, present in a plaque-like structures.

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.