

Recombinant Rat JUNB Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP52322

Size: 10ug, 100ug

Protein Name: Transcription factor JunB (Transcription factor AP-1 subunit JunB)

Synonym: Junb, Jun-b

UniProt ID: P24898

UniProt Link: www.uniprot.org/uniprotkb/P24898/entry

Species Source: Rat

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 344 AA

Molecular Weight: 36 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MCTKMEQPFYHDDSYAAAGYGRSPGSLSLHDYKLLKPTLALNLADPYRGLKGPGARGPGPEGSGA
GSYFSGQGSDTGASLKLASTEELERLIVPNSNGVITTTPTPPGQYFYPRGGGSGGGTGGGVTEEQEG
FADGFVKALDDLHKMNHVTPPNVSLGASGGPQAGPGGVYAGPEPPPVYTNLSSYSPASAPSGGSG
TAVGTGSSYPTATISYLPHAPPFAGGHPAQLGLSRGASAFKEEPQTVPEARSRDATPPVSPINMEDQ
ERIKVERKRLRNRLAATKCRKRKLERIARLEDKVKTLLKAENAGLSSAAGLLREQVAQLKQKVMTHVS
NGCQLLLGVKGHAF

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 Transcription factor JunB (Transcription factor AP-1 subunit JunB) 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 involved in regulating gene activity following the primary growth factor response. Binds to the DNA sequence 5'-TGA[GC]TCA-3'. Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to an AP-1 consensus sequence and its transcriptional activity (By similarity).

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.