

Recombinant Human TBX21 Protein Product Manual

1. Product Basic Information

Product No.: REP08406

Protein Name: T-Box 21 (TBX21)

Aliases: TBET; IMD88; T-PET; T-bet; TBLYM; T-box 21; T-box protein 21; T-box expressed in T cells; transcription factor TBLYM; T-box transcription factor 21; T-box transcription factor TBX21; T-box transcripti...

UniProt ID: Q9UL17

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UL17/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-535aa)

Molecular Weight: 65.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-535aa)

MGIVEPGCGDMLTGTPEPMPGSDEGRAPGADPQHRYFYPEPGAQDADERRGGGS
LGSPYPGGALVPAPPSRFLGAYAYPPRPQAAGFPGAGESFPPPADAEGYQPGEY
AAPDPRAGLYPGPREDYALPAGLEVSGKLRVALNNHLLWSKFNQHQTEMIITKQGR
RMFPFLSFTVAGLEPTSHYRMFVDVVLVDQHHWRYQSGKWVQCGKAEGSMPGN
RLYVHPDSPNTGAHWMRQEVSFGLKLTNNKGASNNVTQMIVLQSLHKYQPRLHI
VEVNDGEPEAACNASNTHIFTFQETQFIAVTAYQNAEITQLKIDNNPFAKGFRENFES
MYTSVDTSIPSPPGPNCQFLGGDHYSPLLPNQYPVPSRFYFDLPGQAKDVVPQAY
WLGAPRDHSYEAEFRAVSMKPAFLPSAPGPTMSYYRGQEVLPAGAGWPVAPQYP
PKMGPASWFRPMTLPMEPGGGSEGRGPEDQGPPLVWTEIAPIRPESSDSGLG
EGDSKRRRVSPYPSSGDSSSPAGAPSPFDKEAEGQFYNYFPN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human TBX21 full length protein (1-535aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. TBX21, also known as TBET or IMD88 or T-PET, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.