

Recombinant Mouse-ear cress TCP21 Protein Product Manual

1. Product Basic Information

Product No.: REP08414

Protein Name: Tcp Family Transcription Factor (TCP21)

Aliases: TCP family transcription factor

UniProt ID: Q9FTA2

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9FTA2/entry>

Species Source: Arabidopsis thaliana (Mouse-ear cress)

Expression System: E.coli

Protein Length: Full Length (1-239aa)

Molecular Weight: 28.8

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-239aa)

MADNDGAVSNGIIVEQTSNKGPLNAVKKPPSKDRHSKVDGRGRRIRMPIICAAARVF
QLTRELGHKSDGQTIEWLLRQAEPSIIAATGTGTTTPASFSTASLSTSSPFTLGKRVVR
AEEGESGGGGGGGLTVGHTMGTSLMGGGGSGGFWAVPARPDFGQVWSFATGA
PPEMVFAQQQQPATLFRHQQQQQASAAAAAAMGEASAARVGNLYLPGHHLNLLA
SLSGGANGSGRREDDHEPR

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).

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



5. Product Description

This product is a recombinant Mouse-ear cress TCP21 full length protein (1-239aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TCP21, also known as TCP family transcription factor, 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.