



Recombinant strain ATCC CRL-10679 / Arkansas tig Protein Product Manual

1. Product Basic Information

Product No.: REP08451

Protein Name: Trigger Factor (tig)

Aliases: tig; E2348C_0371; Trigger factor; TF; EC 5.2.1.8; PPIas

UniProt ID: B7UJQ9

UniProt Link: <https://www.uniprot.org/uniprotkb/B7UJQ9/entry>

Species Source: Ehrlichia chaffeensis (strain ATCC CRL-10679 / Arkansas)

Expression System: E.coli

Protein Length: Partial (1-439aa)

Molecular Weight: 56.2 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (1-439aa)

MLNSYVVREVSNDKCLKWEYFAVDKKYFLDQLDSKLSEIAMNVKVPGFVRVGKASID
LVRKEYLNEAMTSVVKKTIESTSSDFVKNKSGEIISSNIDIVSYPSYYSDNDKEEDLV
YKLSFEVMPEAPLMDIDNIVLSDIEVDIQECDVNEFIENLKKQRPDFVIVDDPEYVIQG
SDKLVIDYQNKIKGKILRGGSAKDFVLVLGKGVALREFEDQLIGMKVGESKTFPLTFP
NDYGMVHLAGKTTDMSVTVKSVYVMKGMRDSEIAKDYGFKDVGHMEDFARKRIK
QQFDQMVFTIVKKELFDYMDANYVIDVPECVVTQEIAKINKEIRDSEIDIQIDVEKEAI
KRVKLGMLLIKMSRHNNITIKNEDVFSFIQSNYADYGVDIGNVLKMLQSNKNFANYIS
GKVLEEKVINYIIGLAKKDKKVM TAKDISLMFENI

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



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 strain ATCC CRL-10679 / Arkansas tig partial protein (1-439aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. tig, also known as tig or E2348C_0371 or Trigger 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.