

Recombinant Trypanosoma cruzi TPR Protein Product Manual

1. Product Basic Information

Product No.: REP08535

Protein Name: Nucleoprotein Tpr (TPR)

Aliases: megator; nucleoprotein TPR; tumor potentiating region; NPC-associated intranuclear protein; translocated promoter region protein; nuclear pore complex-associated protein TPR

UniProt ID: P12270

UniProt Link: <https://www.uniprot.org/uniprotkb/P12270/entry>

Species Source: Trypanosoma cruzi

Expression System: Yeast

Protein Length: Full Length (1-492aa)

Molecular Weight: 55.9kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-492aa)

MMSKIFDLVVIGAGSGGLEAAWNAATLYKKRVAVIDVQMVHGPPFFSALGGTCVNV
GCVPKKLMVTGAQYMEHLRESAGFGWEFDRTTLRAEWKCLIIVKDEAVLNINKSYE
EMFRDTEGLEFFLWGSLESKNVVNVRESADPASAVKERLETENILLASGSWPHM
PNIPGIEHCISSNEAFYLPPEPRRVLTVGGGFISVEFAGIFNAYKPKDGQVTLCYRGE
MILRGFDHTLREELTKQLTANGIQILTKENPAKVELNADGSKSVTFESGKKMDFDLV
MMAIGRSPRTKDLQLQNAGVMIKNGGVQVDEYSRTNVSNIYAIGDVTNRVMLTPVAI
NEAAALVDTVFGTNPRKTDHTRVASAVFSIPPIGTCGLIEEVASKRYEVAVYLSST
PLMHNISGSKYKTFVAKIITNHSDGTVLGVHLLGDNAPEIIQGVGICLKLNAKISDFYN
TIGVHPTSAEELCSMRTPSYYYVKGEKMEKPSEASL

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 *Trypanosoma cruzi* TPR full length protein (1-492aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TPR, also known as megator or nucleoprotein TPR or tumor potentiating region, 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.