

# Recombinant Trypanosoma Cruzi TPR Protein (1-492 aa), His-tagged

**Cat. No.** TPR-1748T    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Trypanosoma Cruzi TPR Protein (1-492 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.                                                                                                                                                                                                                                              |
| <b>Species</b>          | Trypanosoma Cruzi                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-492 aa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | Trypanothione is the parasite analog of glutathione; this enzyme is the equivalent of glutathione reductase.                                                                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 55.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MMSKIFDLVVIGAGSGGLEAAWNAATLYKKRVAIDVQMVHGPPFFSALGGTCVNV<br>GCVPKKLMVTGAQYMEHLRESAGFGWEFDRITTLRAEWKKLIAVKDEAVLNINKSYE<br>EMFRDTEGLEFFLGWGSLESKNVNVRESADPASAVKERLETENILLASGSWPHMP<br>NIPGIEHCISSNEAFYLPEPPRRVLTVGGGFISVEFAGIFNAYKPKDGGQVTLCYRGEMI<br>LRGFDHTLREELTKQLTANGIQILTENPAKVELNADGSKSVTFESGKKMDFDLVMM<br>AIGRSPRTKDLQLQNAGVMIKNGGVQVDEYSRTNVSNIYAIGDVTNRVMLTPVAINE<br>AAALVDTVFGTNPRTDHTRVASAVFSIPPIGTCGLIEEVASKRYEVVAVYLSSFTPL |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

MHNISGSKYKTFVAKIITNHS DGTVLGVHLLGDNAPEIIQGVGICLKLNAKISDFYNTIG  
VHPTSAEELCSMRTPSYYYVKGEKMEKPSEASL

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

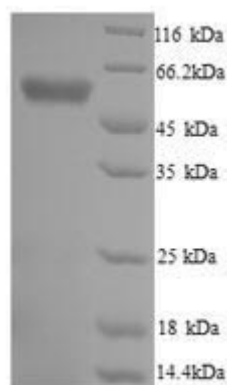
**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Synonyms** TPR; N(1),N(8)-bis(glutathionyl)spermidine reductase;

**UniProt ID** [P28593](#)



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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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