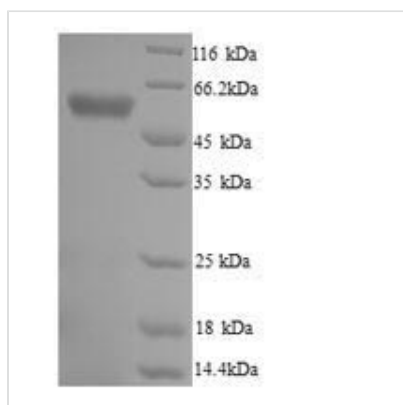




Recombinant Trypanosoma cruzi Trypanothione reductase (TPR)

Product Code	CSB-YP333370TQY
Relevance	Trypanothione is the parasite analog of glutathione; this enzyme is the equivalent of glutathione reductase.
Abbreviation	Recombinant Trypanosoma cruzi TPR protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P28593
Alias	N(1),N(8)-bis(glutathionyl)spermidine reductase
Product Type	Recombinant Protein
Immunogen Species	Trypanosoma cruzi
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MMSKIFDLVVIGAGSGGLEAAWNAATLYKKRVAIDVQMVGPPFFSALGGTC VNVGCVPKKLMVTGAQYMEHLRESAGFGWEFDRTTLRAEWKKLIAVKDEAVL NINKSYEEMFRDTEGLEFFLGWGSLESKNVNVRESADPASAVKERLETENIL LASGSWPHMPNIPGIEHCISSEAFYLPEPPRRVLTVGGSFISVEFAGIFNAYK PKDGQVTLCYRGEMILRGFDHTLREELTKQLTANGIQILTENPAKVELNADGS KSVTFESGKKMDFDLVMMAGRSRPTKDLQLQNAGVMKNGGVQVDEYSRTN VSNIYAIGDVTNRVMLTPVAINEAAALVDTVFGTNPRKTDHTRVASAVFSIPPIG TCGLIEEVASKRYEVVAVYLSSTPLMHNISGSKYKTFVAKIITNHSDGTVLGVH LLGDNAPEIIQGVGICLKLNAKISDFYNTIGVHPTSAAELCSMRTPSYYYVKGEK MEKPSEASL
Research Area	Others
Source	Yeast
Target Names	TPR
Protein Names	Recommended name: Trypanothione reductase Short name= TR EC= 1.8.1.12 Alternative name(s): N(1),N(8)-bis(glutathionyl)spermidine reductase
Expression Region	1-492aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	55.9kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.