



Recombinant Rat Thioredoxin, mitochondrial (Txn2)

Product Code	CSB-EP025366RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97615
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	T TFNVQDGPDF QDRVVNSETP VVVDFAHQWC GPCKILGPRL EKMVAKQHKG VVMAKVDIDD HTDLAIEYEV SAVPTVLAIK NGDVVDKFGV IKDEDQLEAF LKKLIG
Source	E.coli
Target Names	Txn2
Protein Names	Recommended name: Thioredoxin, mitochondrial Short name= MTRX Short name= Mt-Trx Alternative name(s): Thioredoxin-2
Expression Region	60-166
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis.
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.