



Recombinant Rat Thioredoxin, mitochondrial (Txn2)

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| Product Code | CSB-EP025366RA |
| 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. |