

Recombinant Human TXNRD2 protein, His-tagged

Cat. No. TXNRD2-3507H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TXNRD2 protein(Q9NNW7-1)(176-524 aa), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	176-524 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	EILLSADHIIIATGGRPRYPHTHIEGALEYGITSDDIFWLKESPGKTLVVGASYVALECAG FLTGIGLDTTIMMRSIPLRGFDQQMSSMVIEWMASHGTRFLRGCAPSRVRRLLPDGQL QVTWEDSTTGKEDTGTFTVLWAIGRVPDTRSLNLEKAGVDTSPDTQKILVDSREAT SVPHIYAIGDVVEGRPELTPAIMAGRLLVQRLFGGSSDLMDYDNPVPTTVFTPLEYGC VGLSEEEAVARHGQEHVEVYHAHYKPLEFTVAGRNASQCYVKMVCLREPPQLVLG LHFLGPNAGEVTQGFALGIKCGASYAQMRTVGIHPTCSEEVVKLRISKRSGLDPTV TGCUG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months,

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

GENE INFORMATION

Gene Name	TXNRD2 thioredoxin reductase 2 [Homo sapiens]
Official Symbol	TXNRD2
Synonyms	TXNRD2; thioredoxin reductase 2; thioredoxin reductase 2, mitochondrial; selenoprotein Z; thioredoxin reductase beta; TR; TR3; TRXR2; thioredoxin reductase 3; thioredoxin reductase TR3; SELZ; TR-BETA
Gene ID	10587
mRNA Refseq	NM_006440
Protein Refseq	NP_006431
MIM	606448
UniProt ID	Q9NNW7

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SDS-PAGE



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