

Recombinant Human TXN2

Cat. No. TXN2-31512TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human Thioredoxin 2; 108 amino acids, 11kDa.
Species	Human
Source	E.coli
Description	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.
Biological activity	Specific activity is 3-4 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: PBS, pH 7.4
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MTTFNIQDGP DFQDRVVNSE TPVVVDFHAQ WCGPCKILGP RLEKMVAKQH GKVVMAKVVDI DDHTDLAIEY EVSAVPTVLA MKNGDVVDKF VGIKDEDQLE AFLKKLIG

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Full Length	Full L.
GENE INFORMATION	
Gene Name	TXN2 thioredoxin 2 [Homo sapiens]
Official Symbol	TXN2
Synonyms	TXN2; thioredoxin 2; thioredoxin, mitochondrial; MT TRX;
Gene ID	25828
mRNA Refseq	NM_012473
Protein Refseq	NP_036605
MIM	609063
Uniprot ID	Q99757
Chromosome Location	22q13.1
Pathway	Oxidative Stress, organism-specific biosystem;
Function	electron carrier activity; peptide-methionine (R)-S-oxide reductase activity; peptide-methionine-(S)-S-oxide reductase activity; protein disulfide oxidoreductase activity;

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