

Recombinant Human TXN Protein (M1-V105), Tag Free

Cat. No. TXN-0809H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GG-TXN(M1-V105 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-V105
Description	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. Plays a role in the reversible S-nitrosylation of cysteine residues in target proteins, and thereby contributes to the response to intracellular nitric oxide. Nitrosylates the active site Cys of CASP3 in response to nitric oxide (NO), and thereby inhibits caspase-3 activity. Induces the FOS/JUN AP-1 DNA-binding activity in ionizing radiation (IR) cells through its oxidation/reduction status and stimulates AP-1 transcriptional activity ().
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	TXN thioredoxin [Homo sapiens (human)]
Official Symbol	TXN
Synonyms	TXN; thioredoxin; TRX; ADF; SASP; TXN delta 3; ATL-derived factor; thioredoxin delta 3; surface-associated sulphydryl protein; TRDX; TRX1; MGC61975; DKFZp686B1993;
Gene ID	7295
mRNA Refseq	NM_001244938
Protein Refseq	NP_001231867
MIM	187700
UniProt ID	P10599

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