

Recombinant Human TXNRD1 Protein, His-tagged

Cat. No. TXNRD1-227H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human TXNRD1 Protein(Q16881-1) (Tyr 161-Cys 647), fused to N-terminal His tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | Tyr 161-Cys 647 |
| Form | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| Molecular Mass | The recombinant human TXNRD1 consisting of 498 amino acids and has a calculated molecular mass of 55 kDa. It migrates as an 60 kDa band in SDS-PAGE under reducing conditions as predicted. |
| Purity | > 90 % as determined by SDS-PAGE |
| Storage | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Reconstitution | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

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GENE INFORMATION

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| Gene Name | TXNRD1 thioredoxin reductase 1 [Homo sapiens] |
| Official Symbol | TXNRD1 |
| Synonyms | TXNRD1; thioredoxin reductase 1; thioredoxin reductase 1, cytoplasmic; GRIM 12; Trxr1; TXNR; oxidoreductase; thioredoxin reductase TR1; thioredoxin reductase GRIM-12; KM-102-derived reductase-like factor; gene associated with retinoic and IFN-induced mortality 12 protein; gene associated with retinoic and interferon-induced mortality 12 protein; TR; TR1; TRXR1; GRIM-12; MGC9145; |
| Gene ID | 7296 |
| mRNA Refseq | NM_001093771 |
| Protein Refseq | NP_001087240 |
| MIM | 601112 |
| UniProt ID | Q16881 |

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