



Certificate of Analysis

Thioredoxin/TXN Protein, Human (Solution)

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|-------------------|----------------------|
| Cat. No.: | HY-P73431 |
| Batch No.: | 269076 |
| Species: | Human |
| Source: | <i>E. coli</i> |
| Tag: | Tag Free |
| Accession: | P10599 (M1-V105) |
| Gene ID: | 7295 |
| Molecular Weight: | Approximately 14 kDa |

ANALYTICAL DATA

| TEST | Specifications | Results |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Purity | Greater than 95% as determined by reducing SDS-PAGE | 95.80% |
| Endotoxin Level | <1 EU/μg, determined by LAL method. | <1 EU/μg |
| Biological Activity | Measured by its ability to catalyze the reduction of insulin. The reaction leads to precipitation, which can be measured by absorbance at 650 nm and the specific activity is 5-10 A650/min/mg. | 7.8 A650/min/mg |
| Appearance | Solution. | |
| Concentration | 1.33 mg/mL | |
| Reconstitution | N/A. | |
| Storage & Stability | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles. | |
| Shipping | Shipping with dry ice | |

Caution: Product has not been fully validated for medical applications. For research use only.

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