

Product Datasheet

Recombinant Human Thioredoxin-1 Protein NBC1-18541

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBC1-18541

Recombinant Human Thioredoxin-1 Protein

Product Information

Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	PBS (pH 7.4)
Target Molecular Weight	11.7 kDa

Product Description

Description	An un-tagged recombinant protein corresponding to the amino acids 1-105 of Human Thioredoxin Source: <i>E.coli</i> Amino Acid Sequence: MVKQIESKTA FQEALDAAGD KLVVVDFSAT WCGPCKMIKP FFHSLSEKYS NVIFLEVDVD DCQDVASECE VKCMPTFQFF KKGQKVGEFS GANKEKLEAT INELV
Gene ID	7295
Gene Symbol	TXN
Species	Human
Details of Functionality	Specific activity is >150 A650/cm/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.

Product Application Details

Applications	Functional, SDS-Page, Bioactivity
Recommended Dilutions	Functional, SDS-Page, Bioactivity

Publications

Beyrath J, Pellegrini M, Renkema H et al. KH176 Safeguards Mitochondrial Diseased Cells from Redox Stress-Induced Cell Death by Interacting with the Thioredoxin System/Peroxiredoxin Enzyme Machinery Sci Rep 2018-04-26 [PMID: 29700325] (BA, Human)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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