

Recombinant human Thioredoxin / TRX protein ab95319

画像数 1

製品の詳細

製品名	Recombinant human Thioredoxin / TRX protein
生理活性	Specific activity is 7-10 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin. Specific activity is 7-10 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin.
精製度	> 95 % SDS-PAGE. ab95319 is purified using conventional chromatography techniques.
発現系	Escherichia coli
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human

特性

Our **Abpromise guarantee** covers the use of **ab95319** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies SDS-PAGE
製品の状態	Liquid

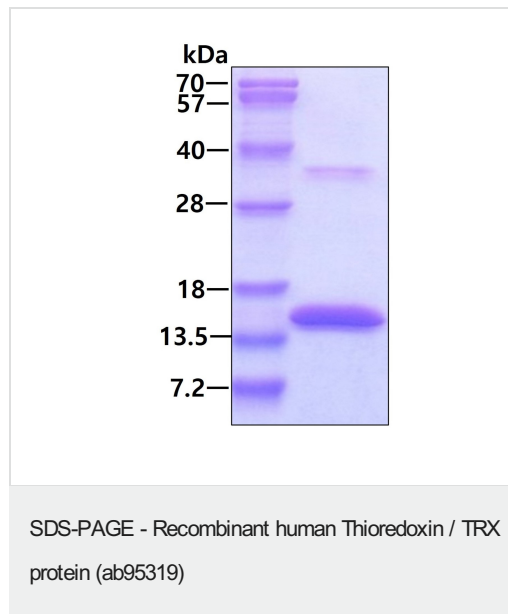
前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Store in the dark. Avoid repeated freeze / thaw cycles. pH: 7.40 Constituent: PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
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関連情報

機能	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. ADF augments the expression of the interleukin-2 receptor TAC (IL2R/P55).
配列類似性	Belongs to the thioredoxin family. Contains 1 thioredoxin domain.
翻訳後修飾	In the fully reduced protein, both Cys-69 and Cys-73 are nitrosylated in response to nitric oxide (NO). When two disulfide bonds are present in the protein, only Cys-73 is nitrosylated. Cys-73 can serve as donor for nitrosylation of target proteins. In case of infection, ubiquitinated by <i>S.typhimurium</i> protein slrP, leading to its degradation.
細胞内局在	Nucleus. Cytoplasm. Secreted. Secreted by a leaderless secretory pathway. Predominantly in the cytoplasm in non irradiated cells. Radiation induces translocation of TRX from the cytoplasm to the nucleus.

画像



SDS-PAGE analysis of ab95319 (3 µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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