

Recombinant human Thioredoxin 2 protein ab78845

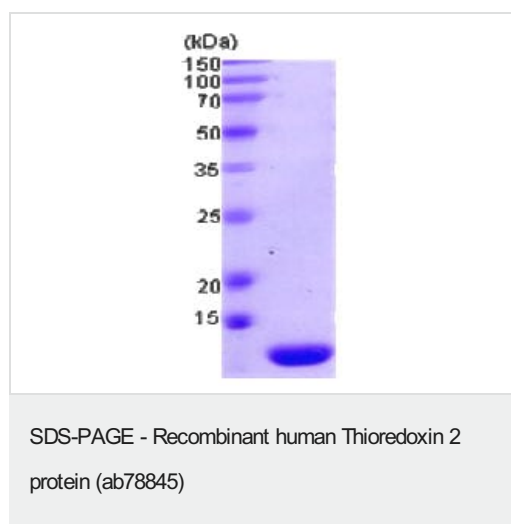
1 图像

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| 描述 | |
| 产品名称 | 重组人Thioredoxin 2蛋白 |
| 生物活性 | Specific activity is 3-4 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 3-4 A650/min/mg, obtained by measuring the increase of insulin precipitation in absorbance at 650 nm resulting from the reduction of insulin. |
| 纯度 | > 95 % SDS-PAGE. ab78845 is purified using conventional chromatography techniques. |
| 表达系统 | Escherichia coli |
| 蛋白长度 | Full length protein |
| 无动物成分 | No |
| 性质 | Recombinant |
| 种属 | Human |
| 序列 | MTTFNIQDGP DFQDRVVNSE TPVVVDFHAQ WCGPCKILGP RLEKMVAQKH GKVVMKVVDI DDHTDLAIEY EVSAVPTVLA MKNGDVVDKF VGIKDEDQLE AFLKKLIG |
| 技术指标 | |
| Our Abpromise guarantee covers the use of ab78845 in the following tested applications. | |
| The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. | |
| 应用 | Functional Studies SDS-PAGE |
| 形式 | Liquid |
| 制备和贮存 | |
| 稳定性和存储 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid 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. |

常规信息

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| 相关性 | Thioredoxins (Trx) are small, multi-functional proteins with oxidoreductase activity and are ubiquitous in essentially all living cells. Trx contains a redox-active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. The two cysteine residues in the conserved active centers can be oxidized to form intramolecular disulfide bonds. Reduction of the active site disulfide in oxidized Trx is catalyzed by Trx reductase with NADPH as the electron donor. The reduced Trx is a hydrogen donor for ribonucleotide reductase, the essential enzyme for DNA synthesis, and a potent general protein disulfide reductase with numerous functions in growth and redox regulations. Specific protein disulfide targets for reduction by Trx include protein disulfide isomerase(PDI) and a number of transcription factors such as p53, NF- κ B and AP-1. Trx is also capable of removing H ₂ O ₂ , particularly when it is coupled with either methionine sulfoxide reductase or several isoforms of peroxiredoxins. |
| 细胞定位 | Mitochondrial |

图片



15% SDS-PAGE showing ab78845 at approximately 11kDa (3 μ g).

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

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