

Thioredoxin-2 Recombinant Protein | trxC recombinant protein

Recombinant Escherichia coli Thioredoxin-2

CATALOG # AAA116031	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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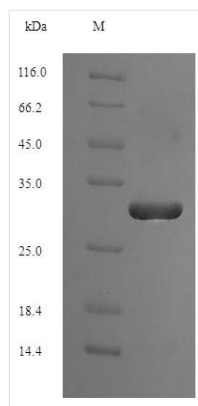
PRODUCT SYNONYMS

Thioredoxin-2; Recombinant Escherichia coli Thioredoxin-2; Protein-disulfide reductase; trxC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-139aa; Full Length
Sequence	MNTVCTHCQA INRIPDDRIE DAAKCGRCGH DLFIDGEVINA TGETLDKLLK DDLPVVIDFW APWCGPCRNF APIFEDVAQE RSGKVRFBKV NTEAERELSS RFGIRSIPTI MIFKNGQVVD MLNGAVPKAP FDSWLNESL
Sequence Length	139
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for trxC recombinant protein	Efficient electron donor for the essential enzyme ribonucleotide reductase. Is also able to reduce the interchain disulfide bridges of insulin.
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References	Cloning, expression, and characterization of a novel Escherichia coli thioredoxin.Miranda-Vizuete A., Damdimopoulos A.E., Gustafsson J.-A., Spyrou G.J. Biol. Chem. 272:30841-30847(1997) Construction of a contiguous 874-kb sequence of the Escherichia coli-K12 genome corresponding to 50.0-68.8 min on the linkage map and analysis of its sequence features.Yamamoto Y., Aiba H., Baba T., Hayashi K., Inada T., Isono K., Itoh T., Kimura S., Kitagawa M., Makino K., Miki T., Mitsuhashi N., Mizobuchi K., Mori H., Nakade S., Nakamura Y., Nashimoto H., Oshima T., Oyama S., Saito N., Sampei G., Satoh Y., Sivasundaram S., Tagami H., Takahashi H., Takeda J., Takemoto K., Uehara K., Wada C., Yamagata S., Horiuchi T.DNA Res. 4:91-113(1997) The complete genome sequence of Escherichia coli K-12.Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V., Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F., Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J., Mau B., Shao Y.Science 277:1453-1462(1997) Highly accurate genome sequences of Escherichia coli K-12 strains MG1655 and W3110.Hayashi K., Morooka N., Yamamoto Y., Fujita K., Isono K., Choi S., Ohtsubo E., Baba T., Wanner B.L., Mori H., Horiuchi T.Mol. Syst. Biol. 2:E1-E5(2006) Non-ribosomal proteins affecting the assembly of ribosomes in Escherichia coli.Nashimoto H.(In) Nierhaus K.H. (eds.) ;The translational apparatus, pp.185-195, Plenum Press, New York (1993) Rudd K.E.Unpublished observations (NOV-1993)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16130507
NCBI GeneID	947062
NCBI Accession #	NP_417077.1
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P0AGG4; P33636; P76593; P77000; P77001
Molecular Weight	17.6 kDa
NCBI Official Full Name	thioredoxin 2
NCBI Official Symbol	trxC
NCBI Official Synonym Symbols	ECK2580; JW2566; yfiG
NCBI Protein Information	thioredoxin 2
UniProt Protein Name	Thioredoxin-2
UniProt Gene Name	trxC
UniProt Synonym Gene Names	yfiG; Trx-2
UniProt Entry Name	THIO2_ECOLI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.