

Thioredoxin2, 60-166 aa, Human, Recombinant, E.coli

Cat.NO.: TP04205

3th Edition

Synonyms:MTRX, TRX2, MT-TRX, Thioredoxin2 , mitochondrial thioredoxin, thioredoxin 2 precursor, Thioredoxin mitochondrial, TRX 2, TXN 2, TXN2, Thioredoxin-2

Description:Thioredoxin(Trx) is a low molecular weight redox protein. Trx contains a redox active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site. The Thioredoxin2 may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. Recombinant Thioredoxin2 was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid in Phosphate-Buffered Saline (pH 7.4)

Molecular Weight:11 kDa (108 aa), confirmed by MALDI-TOF.

Sequences:

MVKQIESKTAFQEALDAAGDKLVVDFSATWCGPCKMIKPFHSLSEKYSNVIFLEVDVDDCQDVASECEVKCMPT
FQFFKKGQKVGEFSGANKEKLEATINELV

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.