
Glutaredoxin-1,1-106aa, Human, Recombinant, E.coli

Cat.NO.: TP02267

3th Edition

Synonyms:GLRX, GRX, GRX1, Thioltransferase-1, TTase-1

Description:Glutaredoxin(GRX), also known as thioltransferase, is member of the thiol-disulfide oxidoreductase family. Glutaredoxin catalyzes the reversible reduction of protein-glutathionyl mixed disulfides to free sulfhydryl groups through a monothiol mechanism. Mammalian Glutaredoxin is known to have two isoforms, GRX1 and GRX2. GRX1 is a cytosolic protein, whereas GRX2 is localized both in the mitochondria and nucleus.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT 10% glycerol

Molecular Weight:11.7 kDa (106 aa) , confirmed by MALDI-TOF

Sequences:

MAQEFVNCKIQPGKVVVFIKPTCPYCRRAEILSQLPIKQGLLEFVDITATNHTNEIQDYLLQLTGARTVPRVFIGKD
CIGGCSDLVSLQQSGELLTRLKQIGALQ

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.