
Product Data Sheet

Product Name: GLRX2 Yeast
Cat. No.: GP21687
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Thioltransferase; Glutathione-dependent oxidoreductase 2; TTR; TTR1; GLRX2; GRX2; GRX-2; GLRX-2; Glutaredoxin 2.		
Formulation	Glutaredoxin-2 solution contains 25mM Tris-HCl pH-7.5 & 0.01% Na Azide.		

Introduction

GLRX2 is a multifunctional enzyme with glutathione-dependent oxidoreductase, glutathione peroxidase and glutathione S-transferase (GST) activity. The disulfide bond functions as an electron carrier in the glutathione-dependent synthesis of deoxyribonucleotides by the enzyme ribonucleotide reductase. In addition, it is also involved in reducing cytosolic protein- and non-protein-disulfides in a coupled system with glutathione reductase. Required for resistance to reactive oxygen species (ROS) by directly reducing hydroperoxides and for the detoxification of ROS-mediated damage. Glutaredoxins are a family of glutathione-dependent hydrogen donors that participate in a variety of cellular redox reactions.

Stability

1 week at 2-10°C . For long term store at -20 to -80°C .

Background

Glutaredoxin-2 *Saccharomyces cerevisiae* Recombinant containing 6x His tag at C-terminus produced in E.Coli is a single, non-glycosylated, Polypeptide chain having a molecular mass of 17 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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