

IMCO Corporation Ltd AB

PO Box 21195
SE -100 31 Stockholm
Sweden
www.imcocorp.se

PRODUCT SPECIFICATION

Product No.	GRX-04
Product description:	Glutaredoxin1 C14S mutant protein from <i>E. coli</i>
Lot No.	01
Specifications:	<p>The ampoule contains 0.25mg of glutaredoxin 1C14S from <i>E. coli</i> (Grx1, $M_r= 10.000$) saltfree and lyophilized from 0.5% ammonium bicarbonate. From a solution of Grx1C14S containing 10.7 mg/ml was taken 24μl, which was lyophilized.</p> <p>Use: Dissolve in 250μl of buffer or water. This gives a solution of 100 μM glutaredoxin-S₂. Molar extinction coefficient 10,000 at A₂₈₀ nm.</p> <p>The preparation has a specific activity of > 100 μmol NADPH oxidized per minute per mg protein using a standard HED-assay. Used for specific deglutathionylation of proteins.</p>
Reference:	<p>Björnberg, O. and Holmgren, A. (1991) Protein Expression and Purification, 2, 287-295.</p> <p>Holmgren, A and Åslund, F. (1995) Methods Enzymol. 252, 283-292.</p>
Storage:	Keep at +4°C or at -20°C

NOTE! Make sure to reconstitute all of the lyophilized protein in the ampoule. After adding buffer, close the screw-cap again, shake vigorously, then centrifuge shortly, in order to recover liquid from tube cap and walls.