

Glutathione Reductase Assay Kit | GSR assay kit

Glutathione Reductase Assay Kit

CATALOG #
AAA71812

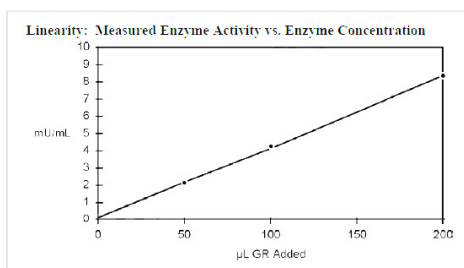
PRODUCT SYNONYMS

Glutathione Reductase; Glutathione Reductase Assay Kit; Spectrophotometric Assay for Glutathione Reductase; GSR assay kit

PRODUCT SPECIFICATIONS

Sequence Length	230
Preparation and Storage	4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GSR assay kit

Principle of the Assay: This assay is based on the oxidation of NADPH to NADP⁺ catalyzed by a limiting concentration of glutathione reductase. One GR activity unit is defined as the amount of enzyme catalyzing the reduction of one micromole of GSSG per minute at pH 7.6 and 25 degree C. As shown in the above reaction, one molecule of NADPH is consumed for each molecule of GSSG reduced. Therefore, the reduction of GSSG is determined indirectly by the measurement of the consumption of NADPH, as demonstrated by a decrease in absorbance at 340 nm (A₃₄₀) as a function of time.

References

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NCBI AND UNIPROT INFORMATION

NCBI GI #	31829
NCBI GeneID	2936
UniProt Accession #	Q03504; P00390
Molecular Weight	25,081 Da
NCBI Official Full Name	glutathione reductase, partial
NCBI Official Synonym Full Names	glutathione reductase
NCBI Official Symbol	GSR
NCBI Official Synonym Symbols	HEL-75
NCBI Protein Information	glutathione reductase, mitochondrial; GR; GRase; epididymis luminal protein 75
UniProt Protein Name	Glutathione reductase
UniProt Entry Name	Q03504_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/glutathione-reductase/71812>