

Active Recombinant Glutathione reductase

Cat. No. GOR-049 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Glutathione reductase Protein
Species	E. coli
Source	E.coli
Description	Glutathione Reductase is an enzyme that plays a crucial role in regenerating reduced glutathione during the detoxification process of peroxides and free radicals in mitochondria, thereby contributing to antioxidant protection and maintaining the cell's redox potential.
Bio-activity	> 100 U/mg > 5000 U/L
Molecular Mass	49.5 kDa
Storage	Stable at -20 centigrade for at least two years.
CAS No.	9001-48-3
Unit Definition	One Unit of glutathione reductase was defined as the amount of enzyme responsible for the oxidation of 1 μ mole of NADPH at 25 centigrade and pH 7.5.
EC No.	1.8.1.7
Optimum pH	7.5

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Optimum temperature	25 centigrade
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GENE INFORMATION

Official Symbol	GOR
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Synonyms	Glutathione reductase; GR
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