

Product Datasheet

Recombinant E. coli Glutathione Reductase His Protein NBP2-22639

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

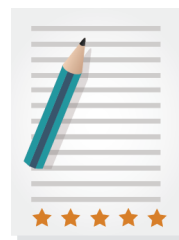
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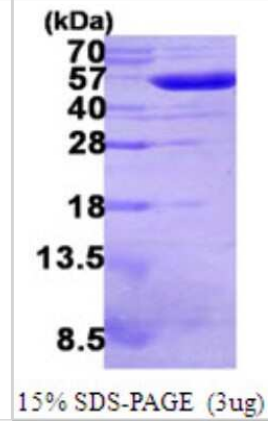
NBP2-22639

Recombinant E. coli Glutathione Reductase His Protein

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>90%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1 M NaCl, 1 mM DTT
Target Molecular Weight	51.2 kDa
Product Description	
Description	A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-450 of E.coli Glutathione Reductase Source: <i>E.coli</i> Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSMTKHYDY IAIGGGSGGI ASINRAAMYG QKCALIEAKE LGGTCVNVGC VPKKVMWHAA QIREAIHMYG PDYGFDTTIN KFNWETLIAS RTAYIDRIHT SYENVLGKNN VDVIKGFARF VDAKTLEVNG ETITADHILI ATGGRPSHPD IPGVEYGIDS DGFFALPALP ERVAVVGAGY IAVELAGVIN GLGAKTHLFV RKHAPLRSFD PMISSETLVEV MNAEGPQLHT NAIPKAVVKN TDGSLTLELE DGRSETVDCL IWAIGREPAN DNINLEAAGV KTNEKGYIVV DKYQNTNIEG IYAVGDNTGA VELTPVAVAA GRRLSERLFN NKPDEHLDYS NIPTVVFShp PIGTVGLTEP QAREQYGDDQ VKVYKSSFTA MYTAVTTHRQ PCRMKLVCVG SEEKIVGIHG IGFGMDEMLQ GFAVALKMGA TTKDFDNTVA IHPTAAEEFV TMR
Gene ID	2936
Gene Symbol	GSR
Species	E. coli
Details of Functionality	Specific activity is > 60 units/mg. The unit definition for glutathione reductase activity may be expressed in terms of the oxidation of NADPH or the reduction of GSSG since their molar ratio is 1:1. One unit of glutathione reductase oxidizes 1 umol of NADPH per minute at 37C, pH 7.5.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity

Images

SDS-Page: Recombinant E. coli Glutathione Reductase Protein [NBP2-22639]



Publications

Nagahara N Activation of 3-Mercaptopyruvate Sulfurtransferase by Glutaredoxin Reducing System Biomolecules
2020-05-28 [PMID: 32481517]



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Products Related to NBP2-22639

NBP3-17718PEP	Glutathione Reductase Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]
NBP2-16684	Glutathione Reductase Antibody
NB100-116	APE Antibody (13B8E5C2) - BSA Free

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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