

Recombinant E.coli CysH, His-tagged

Cat. No. cysH-987E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli cysH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques(1-244aa).
Species	E.coli
Source	E.coli
Description	CysH (Phosphoadenosine phosphosulfate reductase) belongs to the PAPS reductase family, specifically those acting on a sulfur group of donors with a disulfide as acceptor. In enzymology, a cysH is an enzyme that catalyzes the chemical reaction. Three substrates of this enzyme are adenosine 3",5"-bisphosphate, sulfite, and thioredoxin disulfide, whereas its two products are 3"-phosphoadenylyl sulfate and thioredoxin.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl
Molecular Weight	30.1kDa (264aa) confirmed by MALDI-TOF
Purity	> 90% by SDS - PAGE
Concentration	0.5mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSKLDLNALN ELPKVDRILA LAETNAELEK LDAEGRVAWA LDNLPGEYVL SSSFGIQA AV SLHLVNQIRP DIPVILTD TG

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YLFPEYRFI DELTDKLKLN LKVYRATESA AWQEARYGKL WEQGVEGIEK
 YNDINKVEPM NRALKELNAQ TWFAGLRREQ SGSRLNLPVL AIQRGVFKVL
 PIIDWDNRTI YQYLQKHGLK YHPLWDEGYL SVGDTHHTRK WEPGMAEEET
 RFFGLKRECG LHEG

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

cysH 3"-phosphoadenosine 5"-phosphosulfate reductase [*Escherichia coli* str. K-12 substr. MG1655]

Synonyms

cysH; ECK2757; JW2732; 3"-phosphoadenosine 5"-phosphosulfate reductase; NP_417242.1; EC 1.8.4.8

Gene ID

947230

Protein Refseq

NP_417242

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