

Product information

cysH, 1-244 aa

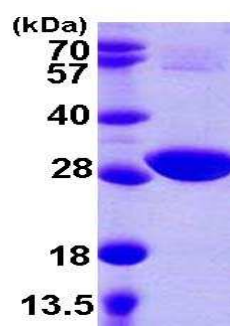
E.coli, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1041

Full name: Phosphoadenosine phosphosulfate reductase

NCBI Accession No.: NP_417242

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. Recombinant *E.coli* cysH protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 1mM DTT, 20% glycerol</p> <p>Molecular Weight: 30.1kDa (264aa) confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MSKLDLNALN ELPKVDRILA LAETNAELEK LDAEGRVAWA LDNLPGYVL SSSFGIQAAV SLHLVNQIRP DIPVILTDTG YLFPETYRFI DELTDKLLN LKVYRATESA AWQEARYGKL WEQGVGIEK YNDINKVEPM NRALKELNAQ TWFAGLRREQ SGSRANLPVL AIQRGVFKVL PIIDWDRNTI YQYLQKHGLK YHPLWDEGYL SVGDTHTRK WEPGMAEEET RFFGLKRECG LHEG</p>	

General references:

Berendt U., *et al.* (1995) *Eur. J. Biochem.* 233 (1): 347–56.

Krone F.A., *et al.* (1990) *FEBS Lett.* 260:6-9

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.