

AR09981PU-N

E. coli cysH (1-244, His-tag) - Purified

Alternate names:

PAPS sulfotransferase, PAdoPS reductase, Phosphoadenosine phosphosulfate reductase

Quantity:

0.1 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P17854](#)

NCBI:

[AP_003329](#)

GeneID:

[947230](#)

Species:

E. coli

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

Description:

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

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MSKLDLNALN ELPKVDRI LAETNAELEK LDAEGRVAWA
LDNLPGEYVL SSSFGIQA AV SLHLVNQIRP DIPVILTD TG YLFPETYRFI DELTDK LKLN
LKVYRATESA AWQEARYGKL WEQGVGIEK YNDINKVEPM NRALKELNAQ TWFAGLRREQ
SGSRANLPVL AIQRGVFKVL PIIDWDNR TI YQYLQKHGLK YHPLWDEGYL SVGDTHTTRK
WEPGMAEEET RFFGLKRECG LHEG

Molecular weight: 30.1 kDa (264aa) confirmed by MALDI-TOF

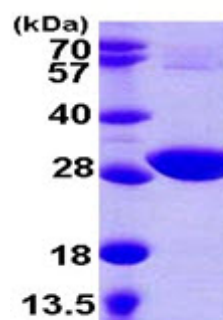
Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

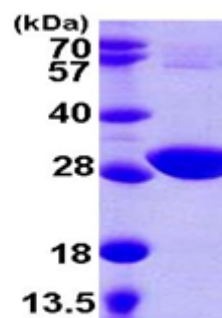
Shelf life: one year from despatch.

Pictures:



15% SDS-PAGE (3ug)

Recombinant E.coli cysH, 1-244 aa, His-tagged



15% SDS-PAGE (3ug)