

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11

info-de@origene.com

E. coli cysH (1-244, His-tag) - Purified AR09981PU-L

PAPS sulfotransferase, PAdoPS reductase, Phosphoadenosine phosphosulfate Alternate names:

reductase

Quantity: 0.5 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

Source:

NCBI: AP 003329 GeneID: 947230 Species: E. coli

Format: State: Liquid purified protein

E. coli

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 ELPKVDRILA LAETNAELEK LDAEGRVAWA LDNLPGEYVL SSSFGIOAAV SLHLVNOIRP DIPVILTDTG YLFPETYRFI DELTDKLKLN LKVYRATESA AWQEARYGKL WEQGVEGIEK YNDINKVEPM NRALKELNAQ TWFAGLRREQ SGSRANLPVL AIQRGVFKVL PIIDWDNRTI YQYLQKHGLK YHPLWDEGYL SVGDTHTTRK

WEPGMAEEET RFFGLKRECG LHEG

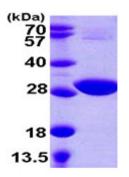
Molecular weight: 30.1 kDa (264aa) confirmed by MALDI-TOF

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

Avoid repeated freezing and thawing. Shelf life: one year from despatch.

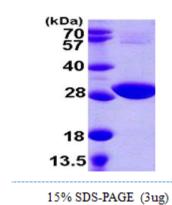


Pictures:



15% SDS-PAGE (3ug)

Recombinant E.coli cysH, 1-244 aa, Histagged



For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.