cysH, 1-244aa, E.coli, His tag, E.coli

Cat.NO.: TP01816

3th Edition

Synonyms: Phosphoadenosine phosphosulfate reductase

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 Phosphate Buffered Saline (pH 7.4) containing 1mM DTT, 20% glycerol

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

Sequences:
MGSSHHHHHHSSGLVPRGSHMSKLDLNALNELPKVDRILALAETNAELEKLDAEGRVAWALDNLPGEYVLSSSFGI
QAAVSLHLVNQIRPDIPVILTDTGYLFPETYRFIDELTDKLKLNLKVYRATESAAWQEARYGKLWEQGVEGIEKYNDI
NKVEPMNRALKELNAQTWFAGLRREQSGSRANLPVLAIQRGVFKVLPIIDWDNRTIYQYLQKHGLKYHPLWDEGYL
SVGDTHTTRKWEPGMAEEETRFFGLKRECGLHEG

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.