

**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:**

MGSSHHHHHHSSGLVPRGSHMSKLDLNALNELPKVDRILALAETNAELEKLDAGRVAVALDNLPGEYVLSSSFGL  
QAAVSLHLVNQIRPDIPVILTDTGylFPETYRFIDELTDKLKLNKLYRATESAAWQEARYGKLWEQGVGEGIEKYNDI  
NKVEPMNRALKELNAQTWFAGLRREQSGSRANLPVLAIQRGVFKVLPIIDWDNRTIYQYLQKHGLKYHPLWDEGYL  
SVGDTHHTRKWEPGMAEEETRFFGLKRECGLHEG

**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.