

## 32-2253: CYSH Recombinant Protein

**Alternative Name** Phosphoadenosine phosphosulfate reductase,3'-phosphoadenylylsulfate reductase,PAPS  
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reductase,thioredoxin dependent,PAPS sulfotransferase,PAdoPS reductase,cysH,b2762,JW2732.

### Description

Source : Escherichia Coli. CYSH produced in E.Coli is a single, non-glycosylated polypeptide chain containing 264 amino acids (1-244 a.a.) and having a molecular mass of 30.1kDa.CYSH is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. CysH (Phosphoadenosine phosphosulfate reductase) is a member of the PAPS reductase family, specifically those acting on a sulfur group of donors with a disulfide as acceptor. The 3 substrates of the CysH enzyme are adenosine 3',5'-bisphosphate, sulfite, and thioredoxin disulfide, whereas its two products are 3'-phosphoadenylyl sulfate and thioredoxin.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** CYSH protein solution (0.5mg/ml) 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 50mM NaCl.  
**Storage condition :** CYSH E.Coli Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MSKLDLNLN ELPKVDRILA LAETNAELEK LDAEGRVAWA LDNLPGEYVL SSSFGIQA AV SLHLVNQIRP DIPVILTDTG YLFPETYRFI DELTDKLLN LKVYRATESA AWQEARYGKL WEQGVGIEK YNDINKVEPM NRALKELNAQ TWFAGLRREQ SGSRANLPVL AIQRGVFKVL PIIDWDNRTI YQYLQKHGLK YHPLWDEGYL SVGDTHHTRK WEPGMAEEET RFFGLKRECG LHEG.

