

32-2253: CYSH Recombinant Protein

Alternative Name : Phosphoadenosine phosphosulfate reductase, 3'-phosphoadenylylsulfate reductase, PAPS 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 SSGLVPRGSH MSKLDLNALN ELPKVDRILA LAETNAELEK LDAEGRVAWA LDNLPGEYVL SSSFGIQA AV SLHLVNQIRP DIPVILTD TG YLFPETYRFI DELTDKLKLN LKVYRATESA AWQEARYGKL WEQGVEGIEK YNDINKVEPM NRALKELNAQ TWFAGLRREQ SGSRANLPVL AIQRGVFKVL PIIDWDNRTI YQYLQKHGLK YHPLWDEGYL SVGDTHTRK WEPGMAEEET RFFGLKRECG LHEG.

