

32-2363: glpE Recombinant Protein

Alternative Name : ECK3411,JW3388,b3425,Thiosulfate sulfurtransferase GlpE.

Description

Source : Escherichia Coli. glpE Recombinant produced in E. coli is a single polypeptide chain containing 131 amino acids (1-108) and having a molecular mass of 14.5kDa. glpE is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Thiosulfate sulfurtransferase (glpE) is a mitochondrial matrix enzyme which is encoded by the nucleus. Escherichia coli glpE is a prototype for the single-domain rhodanese superfamily. glpE catalyzes the sulfur-transfer reaction in which a sulfur atom is transferred from thiosulfate to cyanide by a double-displacement mechanism.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The glpE solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMDQFECI NVADAHQKLQ EKEAVLVDIR DPQSFAMGHA VQAFHLTNDT LGAFMRDNDF DTPVMVMCYH GNSSKGAAQY LLQQGYDVVY SIDGGFEAWQ RQFPAEVAYG A.