glpE, 1-108aa, E.coli, His tag, E.coli

Cat.NO.: TP02256

3th Edition

Synonyms: Thiosulfate:cyanide sulfurtransferase (rhodanese), ECK3411, JW3388

Description: Thiosulfate:cyanide sulfurtransferase (rhodanese), also known as glpE, is a mitochondrial matrix enzyme that is encoded by the nucleus. glpE catalyzes the sulfur-transfer reaction in which a sulfur atom is transferred from thiosulfate to cyanide by a double-displacement mechanism. Escherichia coli glpE is a prototype for the single-domain rhodanese superfamily. Recombinant E.coli glpE protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Molecular Weight:14.5kDa (131aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMGSMDQFECINVADAHQKLQEKEAVLVDIRDPQSFAMGHAVQAFHLTNDTLGAF
MRDNDFDTPVMVMCYHGNSSKGAAQYLLQQGYDVVYSIDGGFEAWQRQFPAEVAYGA

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.