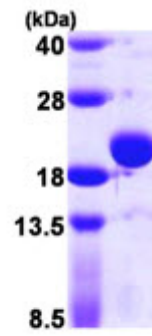


AR09997PU-L**E. coli Thiol peroxidase / tpx (1-168, His-tag) - Purified**

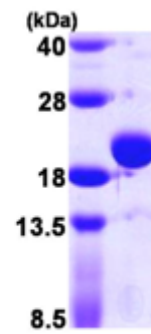
Alternate names:	JW1317, Scavengase P20, b1324, yzz]
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	TPX, also known as lipid hydroperoxide peroxidase, is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This protein may play an important role in thioredoxin peroxidase activity.
Uniprot ID:	P0A862
NCBI:	AP_001951
GeneID:	945880
Species:	E. coli
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl
Description:	Recombinant E.coli TPX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MSQTVHFQGN PVTVANSIPQ AGSKAQTFTL VAKDLSDVTL GQFAGKRKVL NIFPSIDTGV CAASVRKFNQ LATEIDNTVV LCISADLPFA QSRFCGAEGL NNVITLSTFR NAEFLQAYGV AIADGPLKGL AARAVVVIDE NDNVIFSQLV DEITTEPDYE AALAVLKA Molecular weight: 19.9 kDa (188aa), confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Hambarde S., et al. (2010) Bioin formation. 4(9):399-404. Touchon M., et al. (2009) PLoS Genet. 5(1):e1000344.

Pictures:

Recombinant E.coli TPX, 1-168 aa, His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)