
Product Data Sheet

Product Name: TPX E.coli
 Cat. No.: GP22326
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Thiol peroxidase; Scavengase P20; tpx; yzzj; b1324; JW1317.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSQTVHFQGN PTVANSIPQ AGSKAQTFTL VAKDLSDVTL GQFAGKRKVL NIFPSIDTGV CAASVRKFNQ LATEIDNTVV LCISADLPFA QSRFCGAEGL NNVITLSTFR NAEFLQAYGV AIADGPLKGL AARAVVVIDE NDNVIFSQLV DEITTEPDYE AALAVLKA.		
Formulation	The RecombinantTPX solution (1mg/ml)contains 20mM Tris-HCl buffer (pH 8.0) 10% glycerol, 2mM DTT and 0.1M NaCl.		

Introduction

Lipid hydroperoxide peroxidase (TPX) belongs to the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. TPX has an imperative role in thioredoxin peroxidase activity.

Stability

TPX E.Coli Recombinant although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

TPX produced in E.Coli is a single, non-glycosylated polypeptide chain containing 188 amino acids (1-168 a.a.) and having a molecular mass of 19.9kDa.TPX is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA