

TPX E.coli

Description: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.

Catalog #:ENPS-142

For research use only.

Synonyms:Thiol peroxidase, Scavengase P20, tpx, yzzJ, b1324, JW1317.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered liquid formulation 1 mg/ml.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSQTVHFQGN PVTVANSIPQ
AGSKAQTFTL VAKDLS DVT L GQFAGKRKVL NIFPSIDTGV CAASVRKFNQ LATEIDNTVV
LCISADLPFA QSRFCGA EGL NNVITLSTFR NAEFLQAYGV AIADGPLKGL AARAVVVIDE
NDNVIFS QLV DEITTEPDYE AALAVLKA.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The Recombinant TPX solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) 10% glycerol, 2mM DTT and 0.1M NaCl.

Stability:

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

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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