

## 32-2395: GPX3 Recombinant Protein

**Alternative Name :** Glutathione peroxidase 3,GPx-3,GSHPx-3,Extracellular glutathione peroxidase,Plasma glutathione peroxidase,GPx-P,GSHPx-P,GPX3,GPXP.

### Description

Source : Escherichia Coli. GPX3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 227 amino acids (21-226) and having a molecular mass of 25.7kDa.GPX3 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glutathione peroxidase 3 (GPX3) is a member of the glutathione peroxidase family, which acts in the detoxification of hydrogen peroxide. GPX3 shields cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. The GPX3 protein is one of only a few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The GPX3 solution contains 20mM Tris-HCl buffer (pH7.5), 40% glycerol, 0.15M NaCl and 1mM DTT.  
**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 MQSRGQEKSK MDCHGGISGT IYEGALTID GEEYIPFKQY AGKYVLFVNV ASYCGLTGQY IELNALQEEL APFGLVILGF PCNQFGKQEP GENSEILPTL KYVRPGGGFV PNFQLFEKGD VNGEKEQFY TFLKNSCPPT SELLGTSDRL FWPEMKVHDI RWNFEKFLVG PDGIPIMRWH HRTTVSNVKM DILSYMRRQA ALGVKRK.

