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32-2394: GPX2 Recombinant Protein

Alternative Name :	Glutathione peroxidase 2,GPx-2,GSHPx-2,Gastrointestinal glutathione peroxidase,Glutathione peroxidase-gastrointestinal,GPx-GI,GSHPx-GI,Glutathione peroxidase-related protein 2,GPRP-2,GPX2,GPRP,GI-GPx.

Description

Source : Escherichia Coli. GPX2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-190) and having a molecular mass of 24.1kDa.GPX2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glutathione peroxidase 2 (GPX2) is a member of the glutathione peroxidase family, consisting of 8 known glutathione peroxidases (Gpx1-8) in humans. Glutathione peroxidase functions in the detoxification of hydrogen peroxide, and is one of the most important antioxidant enzymes in humans. GPX2 may have a major role in protecting mammals from the toxicity of ingested organic hydroperoxides. GPX2 is one of only a few proteins known in higher vertebrates to contain selenocysteine, which appears at the active site of glutathione peroxidase and is coded by the nonsense (stop) codon TGA.

Product Info

Amount :	5 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	The GPX2 solution (0.25mg/ml) 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 MAFIAKSFYD LSAISLDGEK VDFNTFRGRA VLIENVASLC GTTTRDFTQL NELQCRFPRR LVVLGFPCNQ FGHQENCQNE EILNSLKYVR PGGGYQPTFT LVQKCEVNGQ NEHPVFAYLK DKLPYPYDDP FSLMTDPKLI IWSPVRRSDV AWNFEKFLIG PEGEPFRRYS RTFPTINIEP DIKRLLKVAI.

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