

Glutathione Peroxidase 2 Human Recombinant

Item Number	rAP-1431
Synonyms	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	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.
Uniprot Accesion Number	P18283
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAFIAKSFYD LSAISLDGEK VDFNTFRGRA VLIENVASLC GTTTRD-FTQL NELQCRFP RR LVVLGFP CNQ FGHQENCQNE EILNSLKYVR PGGYQPTFT LVQKCEVNGQ NEHPVFAYLK DKL PYD DP FSLMTDPKLI IWSPVRRSDV AWNFEKFLIG PEGEPEFRRY S RTFPTINIEP DIKRLLKVAI.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The GPX2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH7.5), 40% glycerol, 0.15M NaCl and 1mM DTT. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**