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Datasheet

GPX2 (Human) Recombinant Protein

Catalog Number: P4538

Regulation Status: For research use only (RUO)

Product Description: Human GPX2 (NP_002074, 1 a.a. - 190 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence:
MGSSHHHHHHSSGLVPRGSHMAFIAKSFYDLSAISLD
GEKVDFNTFRGRAVLIENVASLCGTTTRDFTQLNELQC
RFPRRLVVLGFPCNQFGHQENCQNEEILNSLKYVRPG
GGYQPTFTLVQKCEVNGQNEHPVFAYLKDKLPYPYDD
PFSLMTDPKLIIWSPVRRSDVAWNFEKFLIGPEGEPFR
RYSRTFPTINIEPDIKRLLKVAI

Host: Escherichia coli

Theoretical MW (kDa): 24.1

Applications: Func, SDS-PAGE
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Preparation Method: *Escherichia coli* expression system

Concentration: 0.25 mg/mL

Purity: > 95% by SDS - PAGE

Storage Buffer: In 20 mM Tris-HCl buffer, 0.15 M NaCl, pH7.5 (40% glycerol, 1 mM DTT).

Storage Instruction: Store at 2°C to 8°C for 1 week.
For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2877

Gene Symbol: GPX2

Gene Alias: GI-GPx, GPRP, GSHPX-GI, GSHPx-2

Gene Summary: This gene is a member of the glutathione peroxidase family and encodes a selenium-dependent glutathione peroxidase that is one of two isoenzymes responsible for the majority of the glutathione-dependent hydrogen peroxide-reducing activity in the epithelium of the gastrointestinal tract. Studies in knockout mice indicate that mRNA expression levels respond to luminal microflora, suggesting a role of the ileal glutathione peroxidases in preventing inflammation in the GI tract. [provided by RefSeq]