

GPX7 Human

Description: GPX7 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 193 amino acids (20-187) and having a molecular mass of 21.8kDa. GPX7 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-244

For research use only.

Synonyms: Glutathione peroxidase 7, glutathione peroxidase 6, GPX6, NPGPx, CL683, GPx-7, GSHPx-7, non-selenocysteine containing phospholipid hydroperoxide glutathione peroxidase, FLJ14777, EC 1.11.1.9.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGSHMQQEYD FYDFKAVNIR
GKLVSLKLYR GSVSLVVNVA SECFTDQHY RALQQLQRDL GPHHFNVLAFCNQFGQQEP
DSNKEIESFA RRTYSVSFPM FSKIAVTGTG AHPAFKYLAQ TSGKEPTWNF WKYLVAPDGK
VVGAWDPTVS VEEVRPQITA LVRKLILLKR EDL

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The GPX7 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.

Stability:

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.

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:

GPX7 is a member of the glutathione peroxidase family. Glutathione peroxidases (GPx) are a family of enzymes with peroxidase activity whose central biological role is to guard the organism from oxidative damage by reducing lipid hydroperoxides to their corresponding alcohols and to reduce free hydrogen peroxide to water.

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