

Recombinant Human GPX2 293 Cell Lysate

Cat. No. GPX2-5762HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for glutathione peroxidase 2 (gastrointestinal) (GPX2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

GPX2 glutathione peroxidase 2 (gastrointestinal) [Homo sapiens]

Official Symbol

GPX2

Synonyms

GPX2; glutathione peroxidase 2 (gastrointestinal); glutathione peroxidase 2; GSHPX GI; glutathione peroxidase-gastrointestinal; glutathione peroxidase-related protein 2; gastrointestinal glutathione peroxidase 2; GPRP; GPx-2; GI-GPx; GPRP-2; GPx-GI; GSHPx-2; GSHPX-GI;

Gene ID

2877

mRNA Refseq

NM_002083

Protein Refseq

NP_002074

MIM

138319

UniProt ID

P18283

Chromosome Location

14q24.1

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Folate Metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism,

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organism-specific biosystem; Glutathione metabolism, conserved biosystem;
Selenium Metabolism and Selenoproteins, organism-specific biosystem;

Function

electron carrier activity; glutathione peroxidase activity; oxidoreductase activity;

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