Recombinant Human GPX8, His-tagged

Cat. No. GPX8-96H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Probable Glutathione Peroxidase 8/GPX8 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Leu209) of Human GPX8 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-209 a.a.
Description	Probable Glutathione Peroxidase 8 (GPX8) is a member of the glutathione peroxidase family. GPX8 is a single-pass membrane protein and catalysis glutathione into glutathione disulfide. It is shown that GPX8 interacts with 17alpha-ethynylestradiol, diuron and 2-butoxyethanol (ortholog). In addition, GPX8 is involved in response to oxidative stress.
AA Sequence	MEPLAAYPLKCSGPRAKVFAVLLSIVLCTVTLFLLQLKFLKPKINSFYAFEVKDAKGRT V SLEK YKGKVSLVVNVASDCQLTDRNYLGLKELHKEFGPSHFSVLAFPCNQFGES EPRPSK EVESFARK NYGVTFPIFHKIKILGSEGEPAFRFLVDSSKKEPRWNFWKYLV NPEGQVVKF WKPEEPIEVIRP DIAALVRQVIIKKKEDLVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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GENE INFORMATION

Gene Name	GPX8 glutathione peroxidase 8 (putative) [Homo sapiens]
Official Symbol	GPX8
Synonyms	GPX8; glutathione peroxidase 8 (putative); probable glutathione peroxidase 8; EPLA847; UNQ847; GPx-8; GSHPx-8;
Gene ID	493869
mRNA Refseq	NM_001008397
Protein Refseq	NP_001008398
UniProt ID	Q8TED1
Chromosome Location	5q11.2
Pathway	glutathione redox reactions I, organism-specific biosystem;
Function	glutathione peroxidase activity; oxidoreductase activity;

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