

Human GSTP1 Knockdown Cell Lysate

Cat. No. GSTP1-191HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated GSTP1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.
Form	Cell-Tissue Lysis buffer
Molecular Mass	23 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg GSTP1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450, Pathways in cancer, Prostate cancer
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	GSTP1 glutathione S-transferase pi 1 [Homo sapiens (human)]
Official Symbol	GSTP1
Synonyms	GSTP1; glutathione S-transferase pi 1; FAEES3, GST3; glutathione S-transferase P; GSTP; GSTP1-1; GST class-pi; deafness, X-linked 7; fatty acid ethyl ester synthase III; PI; DFN7; GST3; FAEES3;
Gene ID	2950
mRNA Refseq	NM_000852
Protein Refseq	NP_000843
MIM	134660

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UniProt ID

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