Recombinant Human GSTA1 293 Cell Lysate

Cat. No. GSTA1-5719HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for glutathione S-transferase alpha 1 (GSTA1) 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	GSTA1 glutathione S-transferase alpha 1 [Homo sapiens]
Official Symbol	GSTA1
Synonyms	GSTA1; glutathione S-transferase alpha 1; glutathione S transferase A1; glutathione S-transferase A1; GST-epsilon; GST HA subunit 1; GST, class alpha, 1; GST class-alpha member 1; glutathione S-transferase 2; glutathione S-aryltransferase A1; glutathione S-alkyltransferase A1; S-(hydroxyalkyl)glutathione lyase A1; glutathione S-transferase Ha subunit 1; GST2; GTH1; GSTA1-1; MGC131939;
Gene ID	2938
mRNA Refseq	NM_145740
Protein Refseq	NP_665683
MIM	138359
UniProt ID	P08263
Chromosome Location	6p12.2
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved

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	biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem;
Function	glutathione transferase activity; glutathione transferase activity; glutathione transferase activity; transferase activity;

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