Recombinant Human GSTO1, His-tagged

Cat. No. GSTO1-28119TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human glutathione S transferase Omega 1with an amino-terminal hexahistidine tag; amino acids 1-241, 28kDa.
Species	Human
Source	E.coli
ProteinLength	1-241 a.a.
Description	The protein encoded by this gene is an omega class glutathione S-transferase (GST) with glutathione-dependent thiol transferase and dehydroascorbate reductase activities. GSTs are involved in the metabolism of xenobiotics and carcinogens. The encoded protein acts as a homodimer and is found in the cytoplasm. Three transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 1x Laemmli Buffer (2.5% Glycerol, 1% SDS, 0.1% Bromophenol blue, 50mM DTT, 25mM Tris HCl, pH 6.8)
Storage	Store at -20°C. Stable for 12 months at -20°C
Full Length	Full L.

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GENE INFORMATION

Gene Name	GSTO1 glutathione S-transferase omega 1 [Homo sapiens]
Official Symbol	GSTO1
Synonyms	GSTO1; glutathione S-transferase omega 1; glutathione S-transferase omega-1; GSTTLp28; P28;
Gene ID	9446
mRNA Refseq	NM_001191002
Protein Refseq	NP_001177931
MIM	605482
Uniprot ID	P78417
Chromosome Location	10q25.1
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem;
Function	glutathione transferase activity; glutathione transferase activity; glutathione transferase activity; monodehydroascorbate reductase (NADH) activity; transferase activity;

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