

Recombinant Full Length Human GSTO1 Protein, C-Flag-tagged

Cat. No. GSTO1-1351HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GSTO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	27.4 kDa
AA Sequence	MSGESARSLGKGSAPPGPVPEGSIRIYSMRFCPFAERTRLVLKAKGIRHEVININLKN KPEWFFKKNPFG LVPVLENSQGQLIYESAITCEYLDEAYPGKKLLPDDPYEKACQK MILELFSKVP SLVGSFIRSQNKEDYA GLKEEFRKEFTKLEEVLTNKKTTFFGGNSISM IDYLIWPWFERLEAMKLN ECVDHTPKLKLWMAAMKEDP TVSALLTSEKDWQGFLELYLQNSPEACDYGLSGPTRTRPLEQKLISEEDLAANDILDY KDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450
Full Length	Full L.

GENE INFORMATION

Gene Name	GSTO1 glutathione S-transferase omega 1 [Homo sapiens (human)]
Official Symbol	GSTO1
Synonyms	P28; SPG-R; GSTO 1-1; GSTTLp28; HEL-S-21
Gene ID	9446
mRNA Refseq	NM_004832.3

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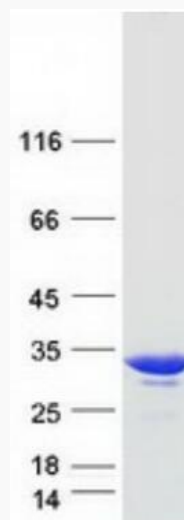
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Protein Refseq NP_004823.1

MIM 605482

UniProt ID P78417



Coomassie blue staining of purified GSTO1 protein.

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