

Product datasheet for **TP300362M**

glutathione S transferase Omega 1 (GSTO1) (NM_004832) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human glutathione S-transferase omega 1 (GSTO1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200362 protein sequence
Red=Cloning site **Green**=Tags(s)

MSGESARSLGKGSAPPGVPPEGSIRIYSMRFCPFAERTRLVLKAKGIRHEVININLKNKPEWFFKKNPFG
LVPVLENSQGQLIYESAITCEYLDEAYPGKLLPDDPYEKACQKMILELFSKVPVSLVGSFIRSQNKEDYA
GLKEEFRKEFTKLEEVLTNKKTTFFGGNSISMIDYLIWPWFERLEAMKLNCEVDHTPKLKLWMAAMKEDP
TVSALLTSEKDWQGFLELYLQNSPEACDYGL

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_004823](#)

Locus ID: 9446

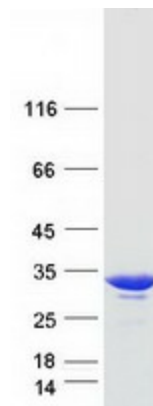
UniProt ID: [P78417](#), [V9HWG9](#)



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RefSeq Size:	1017
Cytogenetics:	10q25.1
RefSeq ORF:	723
Synonyms:	GSTO 1-1; GSTTLp28; HEL-S-21; P28; SPG-R
Summary:	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. [provided by RefSeq, Jul 2010]
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

Product images:



Coomassie blue staining of purified GSTO1 protein (Cat# [TP300362]). The protein was produced from HEK293T cells transfected with GSTO1 cDNA clone (Cat# [RC200362]) using MegaTran 2.0 (Cat# [TT210002]).