

Product datasheet for **TP300362**

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

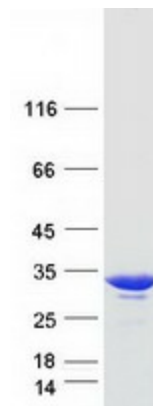
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutathione S-transferase omega 1 (GSTO1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200362 protein sequence Red =Cloning site Green =Tags(s)
	 MSGESARSLGKGSAPPGVPPEGSIRIYSMRFPCFAERTRLVLKAKGIRHEVININLKNKPEWFFKKNPFG LVPVLENSQGQLIYESAITCEYLDEAYPGKKLLPDDPYEKACQKMILELFSKVPVSLVGSFIRSQNKEDYA GLKEEFRKEFTKLEEVLTNKKTTFFGGNSISMIDYLIWPWFERLEAMKLNEDVHTPKLKLWMAAMKEDP TVSALLTSEKDWQGFLLELYLQNSPEACDYGL 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



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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]).