

Recombinant Full Length Human GSTO2 Protein, GST-tagged

Cat. No. GSTO2-3366HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GSTO2 full-length ORF (NP_899062.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	243 amino acids
Description	The omega class glutathione transferases (GST; EC 2.5.1.18) have poor activity with common GST substrates, but exhibit novel glutathione-dependent thioltransferase, dehydroascorbate reductase, and monomethylarsonate reductase activities, and they modulate Ca(2+) release by ryanodine receptors (e.g., RYR1, MIM 180901) (Whitbread et al., 2003 [PubMed 12618591]). For background information on GSTs, see MIM 605482.[supplied by OMIM]
Molecular Mass	54.7 kDa
AA Sequence	MSGDATRTLKGKGSQPPGPVPEGLIRIYSMRFCPYSHRTRLVLKAKDIRHEVVNINLR NKPEWYYTKHPFGHIPVLETSQCQLIYESVIACEYLDDAYPGRKLFPYDPYERARQK MLLELFCKVPHLTKECLVALRCGRECTNLKAALRQEFNSLEEILEYQNTTFFGGTCIS MIDYLLWPWFERLDVYGILDCVSHTPALRLWISAMKWDPTVCALLMDKSIFQGFLNL YFQNNPNAFDGLC
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GSTO2 glutathione S-transferase omega 2 [Homo sapiens]
Official Symbol	GSTO2
Synonyms	GSTO2; glutathione S-transferase omega 2; glutathione S-transferase omega-2; GSTO-2; MMA(V) reductase; monomethylarsonic acid reductase; glutathione S-transferase omega 2-2; glutathione-S-transferase-like protein; bA127L20.1 (novel glutathione-S-transferase); glutathione-dependent dehydroascorbate reductase; GSTO 2-2; bA127L20.1;
Gene ID	119391
mRNA Refseq	NM_001191013
Protein Refseq	NP_001177942
MIM	612314
UniProt ID	Q9H4Y5

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