

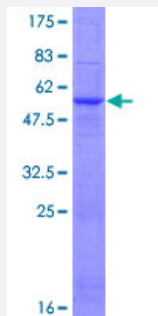
Full-Length

GSTO2 (Human) Recombinant Protein (P01)

Catalog # H00119391-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GSTO2 full-length ORF (NP_899062.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGDATRTLKGKSQPPGPVPEGLIRIYSMRFCPYSHRTRLVLKAKDIRHEVVNINLRNKPEWYYTK HPFGHIPVLETSQCQLIYESVIACEYLDDAYPGRKLFYDPYERARQKMELLEFCCKVPHLTKECLVA LRCGRECTNLKAALRQEFSNLEEILEYQNTTFFGGTCISMIDYLLWPWFERLDVYGILDCVSHTPAL RLWISAMKWDPTVCALLMDKSIFQGFLNLYFQNNPNAFDGLC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.7
Interspecies Antigen Sequence	Mouse (83); Rat (85)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GSTO2

Entrez GeneID [119391](#)**GeneBank Accession#** [NM_183239.1](#)**Protein Accession#** [NP_899062.1](#)**Gene Name** GSTO2**Gene Alias** bA127L20.1**Gene Description** glutathione S-transferase omega 2**Gene Ontology** [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000020440|bA127L20.1 (novel glutathione-S-transferase)|glutathione-S-transferase-like protein

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)

- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bile Duct Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cholangiocarcinoma](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Parkinson disease](#)

- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)