

## Product datasheet for PH308961

### GSTO2 (NM\_183239) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GSTO2 MS Standard C13 and N15-labeled recombinant protein (NP_899062)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208961
Predicted MW:	28.3 kDa
Protein Sequence:	>RC208961 protein sequence Red=Cloning site Green=Tags(s)  MSGDATRTLGGKSQPPGPVPEGLIRIYSMRFCPYSHRTRLVLKAKDIRHEVVNINLRNKPEWYYTKHPFG HIPVLETSSQCQLIYESVIACEYLDDAYPGRKLFYDPYERARQKMLLELFCKVPHLTKECLVALRCGREC TNLKAALRQEFNSLEEILEYQNTTFFGGTCISMIDYLLWPWFERLDVYGILDCVSHTPALRLWISAMKWD PTVCALLMDKSIQFQFLNLYFQNNPNAFDGLC  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_899062</a>
RefSeq Size:	1546
RefSeq ORF:	729
Synonyms:	bA127L20.1; GSTO 2-2
Locus ID:	119391
UniProt ID:	<a href="#">Q9H4Y5</a>



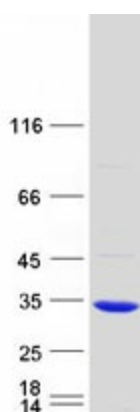
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**Cytogenetics:** 10q25.1

**Summary:** The protein encoded by this gene is an omega class glutathione S-transferase (GST). GSTs are involved in the metabolism of xenobiotics and carcinogens. Four transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]

**Protein Pathways:** Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

### Product images:



Coomassie blue staining of purified GSTO2 protein (Cat# [TP308961]). The protein was produced from HEK293T cells transfected with GSTO2 cDNA clone (Cat# [RC208961]) using MegaTran 2.0 (Cat# [TT210002]).