

## Product datasheet for PH315990

### GSTA5 (NM\_153699) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GSTA5 MS Standard C13 and N15-labeled recombinant protein (NP_714543)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215990
Predicted MW:	25.5 kDa
Protein Sequence:	>RC215990 representing NM_153699 Red=Cloning site Green=Tags(s)  MAEKPKLHYSNARGSMESIRWLLAAAGVELEEKFLSAEDLDKLRNDGSLLFQQVPMVEIDGMKLVOTRA ILNYIASKYNLYGKDMKERALIDMYTEGIVDLTEMILLLLICQPEERDAKTALVKEIKNRYFPAFEKVL KSHRQDYLVGNKLSWADIHLVELFYVEELDSSLISSFPLLKALKTRISNLPVKKFLQPGSQRKPPMDE KSLEEARKIFRF  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_714543</a>
RefSeq Size:	845
RefSeq ORF:	666
Locus ID:	221357
UniProt ID:	<a href="#">Q7RTV2</a>
Cytogenetics:	6p12.2

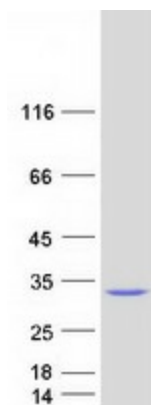


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**Summary:** The glutathione S-transferases (GST; EC 2.5.1.18) catalyze the conjugation of reduced glutathiones and a variety of electrophiles, including many known carcinogens and mutagens. The cytosolic GSTs belong to a large superfamily, with members located on different chromosomes. For additional information on GSTs, see GSTA1 (MIM 138359).[supplied by OMIM, Sep 2008]

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

**Product images:**



Coomassie blue staining of purified GSTA5 protein (Cat# [TP315990]). The protein was produced from HEK293T cells transfected with GSTA5 cDNA clone (Cat# [RC215990]) using MegaTran 2.0 (Cat# [TT210002]).