

## Product datasheet for **TP315990**

### **GSTA5 (NM\_153699) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutathione S-transferase alpha 5 (GSTA5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215990 representing NM_153699 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MAEKPKLHYSNARGSMESIRWLLAAAGVELEEKFLESAEDLDKLRNDGSLLFQQVPMVEIDGMKLVQTRA ILNYIASKYNLYGKDMKERALIDMYTEGIVDLTEMILLLLICQPEERDAKTALVKEKIKNRYFPAPFEKVL KSHRQDYLVGNKLSWADIHLVELFYVEELDSSLISSFLLKALKTRISNLPTVKKFLQPGSQRKPPMDE KSLEEARKIFRF  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	25.5 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:	<a href="#">NP_714543</a>
Locus ID:	221357
UniProt ID:	<a href="#">Q7RTV2</a>



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RefSeq Size: 845

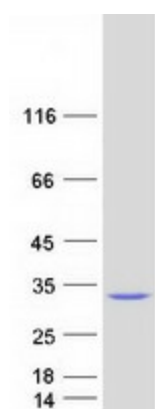
Cytogenetics: 6p12.2

RefSeq ORF: 666

**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]).