

Product datasheet for **TP315990L**

GSTA5 (NM_153699) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human glutathione S-transferase alpha 5 (GSTA5), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC215990 representing NM_153699 Red =Cloning site Green =Tags(s) |
| | MAEKPKLHYSNARGSMESIRWLLAAAGVELEEKFLESAEDLDKLRNDGSLLFQQVPMVEIDGMKLVQTRA ILNYIASKYNLYGKDMKERALIDMYTEGIVDLTEMILLLLICQPEERDAKTALVKEKIKNRYFPAPFEKVL KSHRQDYLVGNKLSWADIHLVELFYVEELDSSLISSFLLKALKTRISNLPTVKKFLQPGSQRKPPMDE KSLEEARKIFRF TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| 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: | NP_714543 |
| Locus ID: | 221357 |
| UniProt ID: | Q7RTV2 |



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RefSeq Size: 845

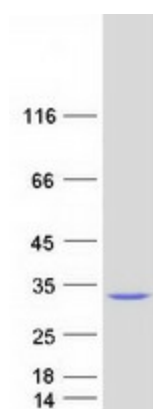
Cytogenetics: 6p12.2

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]).