

Product datasheet for **TP720556L**

Glutathione Synthetase (GSS) (NM_000178) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human glutathione synthetase (GSS) |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | Ala2-Val474 |
| Tag: | C-His |
| Predicted MW: | 53.5 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl |
| Endotoxin: | < 0.1 EU per µg protein as determined by LAL test |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 3 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | NP_000169 |
| Locus ID: | 2937 |
| UniProt ID: | P48637 , V9HWJ1 |
| Cytogenetics: | 20q11.22 |
| Synonyms: | GSHS; HEL-S-64p; HEL-S-88n |
| Summary: | Glutathione is important for a variety of biological functions, including protection of cells from oxidative damage by free radicals, detoxification of xenobiotics, and membrane transport. The protein encoded by this gene functions as a homodimer to catalyze the second step of glutathione biosynthesis, which is the ATP-dependent conversion of gamma-L-glutamyl-L-cysteine to glutathione. Defects in this gene are a cause of glutathione synthetase deficiency. [provided by RefSeq, Jul 2008] |
| Protein Families: | Druggable Genome |



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Protein Pathways: Glutathione metabolism, Metabolic pathways

Product images:

