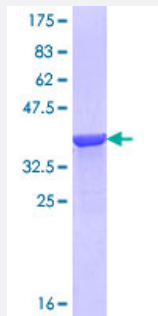


# AGXT (Human) Recombinant Protein (Q01)

Catalog # H00000189-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                            |
|--------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human AGXT partial ORF ( NP_000021.1, 293 a.a. - 392 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | EAAAYLHGRLQALGLQLFVKDPALRLPTVTTTAVPAGYDWRDIVSYIDHFDIEIMGGLGPSTGKVL<br>RIGLLGCNATRENVDRVTEALRAALQHCPKKKL    |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                      |
| <b>Theoretical MW (kDa)</b>          | 36.74                                                                                                      |
| <b>Interspecies Antigen Sequence</b> | Mouse (75); Rat (76)                                                                                       |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                      |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                          |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                   |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                            |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                     |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — AGXT

|                     |                                                                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">189</a>                                                                                                                                                                                                                                                                                         |
| GeneBank Accession# | <a href="#">NM_000030</a>                                                                                                                                                                                                                                                                                   |
| Protein Accession#  | <a href="#">NP_000021.1</a>                                                                                                                                                                                                                                                                                 |
| Gene Name           | AGXT                                                                                                                                                                                                                                                                                                        |
| Gene Alias          | AGT, AGT1, AGXT1, PH1, SPAT, SPT, TLH6                                                                                                                                                                                                                                                                      |
| Gene Description    | alanine-glyoxylate aminotransferase                                                                                                                                                                                                                                                                         |
| Omim ID             | <a href="#">259900</a> <a href="#">604285</a>                                                                                                                                                                                                                                                               |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                   |
| Gene Summary        | This gene is expressed only in the liver and the encoded protein is localized mostly in the peroxisomes, where it is involved in glyoxylate detoxification. Mutations in this gene, some of which alter subcellular targeting, have been associated with type I primary hyperoxaluria. [provided by RefSeq] |
| Other Designations  | L-alanine: glyoxylate aminotransferase 1 hepatic peroxisomal alanine:glyoxylate aminotransferase serine-pyruvate aminotransferase serine:pyruvate aminotransferase                                                                                                                                          |

## Pathway

- [Alanine](#)
- [Glycine](#)
- [Metabolic pathways](#)

## Disease

- [Colorectal Neoplasms](#)
- [Hyperoxaluria](#)
- [Kidney Failure](#)
- [Nervous System Diseases](#)