

Full-Length

## DHODH (Human) Recombinant Protein (P01)

Catalog # H00001723-P01

Size 50 ug

### Specification

|                               |                                                                                                                                                                           |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Human DHODH full-length ORF (1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.                                                                           |
| Sequence                      | MVPSHSAPPVCLCSAGMDLTVTGFWWNTGYGPDSSSRPSSQKLGDGLVTNTTVSRPAGLQG<br>ALRSETGGLSGKPLRDLSTQTIREMYALTQGRVPIIGVGGVSSRQDVLEKIRAGASLVQLYTALTFW<br>GPPVVGKVKRELEALLKEQGFGGVTDAGADHRR |
| Host                          | Wheat Germ (in vitro)                                                                                                                                                     |
| Theoretical MW (kDa)          | 43.9                                                                                                                                                                      |
| Interspecies Antigen Sequence | Mouse (86); Rat (88)                                                                                                                                                      |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                     |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                         |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                  |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                           |
| Note                          | 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 — DHODH

|                     |                                                                                                                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">1723</a>                                                                                                                                                                                                                                                                                     |
| GeneBank Accession# | <a href="#">AK097300.1</a>                                                                                                                                                                                                                                                                               |
| Gene Name           | DHODH                                                                                                                                                                                                                                                                                                    |
| Gene Alias          | DHOdehase                                                                                                                                                                                                                                                                                                |
| Gene Description    | dihydroorotate dehydrogenase                                                                                                                                                                                                                                                                             |
| Omim ID             | <a href="#">126064</a>                                                                                                                                                                                                                                                                                   |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                |
| Gene Summary        | The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane. [provided by RefSeq] |
| Other Designations  | dihydroorotate oxidase human complement of yeast URA1                                                                                                                                                                                                                                                    |

## Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

## Disease

- [Arthritis](#)