

## DHODH recombinant protein

DHODH, 31-395aa, Human, His tag, E Coli

|                              |                       |                                 |
|------------------------------|-----------------------|---------------------------------|
| CATALOG #<br><b>AAA48789</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>SDS-Page</b> |
|------------------------------|-----------------------|---------------------------------|

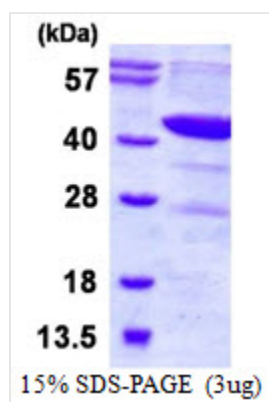
### PRODUCT SYNONYMS

DHODH; 31-395aa; Human; His tag; E Coli; Dihydroorotate dehydrogenase (quinone) mitochondrial; Dihydroorotate dehydrogenase (quinone); mitochondrial; DHODEhase; POADS; uRA1; DHODH recombinant protein

### PRODUCT SPECIFICATIONS

|                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                  | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                   | > 90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Form/Format                                           | Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT                                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                         | 0.5 mg/ml (determined by Bradford assay) (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence                                              | MGSSHHHHH SSGLVPRGSH MGSMTGDER FYAEHLMPTL QGLLDPESAH RLAVRFTSLG LLPRARFQDS<br>DMLEVRVLGH KFRNPVGIAA GFDKHGEAVD GLYKMGFGFV EIGSVTPKPQ EGNPRPRVFR LPEDQAVINR<br>YGFNSHGLSV VEHLRLARQQ KQAKLTEDGL PLGVNLGKNK TSVDAEDYA EGVRVLGPLA DYLVVNVSSP<br>NTAGLRSLQG KAE LRRLTK VLQERDGLRR VHRPAVLVKI APDLTSQDKE DIASVVKELG IDGLIVTNTT<br>VSRPAGLQGA LRSETGGLSG KPLRDLSTQT IREMYALTQG RVPIIGVGGV SSGQDALEKI RAGASLVQLY<br>TALTFWGPPV VGKVKRELEA LLKEQGFGGV TDAIGADHRR |
| Sequence Length                                       | 395                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for DHODH recombinant protein | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Antigen Species                                       | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tag Information                                       | His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Preparation and Storage                               | Can be stored at 4 degree C short term (1-2 weeks).<br>For long term storage, aliquot and store at -20 degree C or -70 degree C.<br>Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                          |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for DHODH recombinant protein | DHODH, also known as dihydroorotate dehydrogenase (quinone), mitochondrial, belongs to the dihydroorotate dehydrogenase family. DHODH 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. Recombinant human DHODH protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography. |
| Product Categories/Family for DHODH recombinant protein   | Metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                                | Rawls J., et al. (2000) Eur. J. Biochem. 267:2079-2087; Liu S., et al. (2000) Structure. 8:25-33                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 45006951                                              |
| NCBI GeneID                      | 1723                                                  |
| NCBI Accession #                 | NP_001352                                             |
| NCBI GenBank Nucleotide #        | NM_001361.4                                           |
| UniProt Accession #              | Q02127; Q6P176; A8K8C8                                |
| Molecular Weight                 | 42.3 kDa (390aa) confirmed by MALDI-TOF               |
| NCBI Official Full Name          | dihydroorotate dehydrogenase (quinone), mitochondrial |
| NCBI Official Synonym Full Names | dihydroorotate dehydrogenase (quinone)                |
| NCBI Official Symbol             | DHODH                                                 |
| NCBI Official Synonym Symbols    | URA1; POADS; DHodehase                                |
| NCBI Protein Information         | dihydroorotate dehydrogenase (quinone), mitochondrial |
| UniProt Protein Name             | Dihydroorotate dehydrogenase (quinone), mitochondrial |
| UniProt Gene Name                | DHODH                                                 |
| UniProt Synonym Gene Names       | DHodehase                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/dhodh-recombinant-protein-e-coli-sds-page/48789>