

DHODH recombinant protein

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

CATALOG # AAA48789	HOST E Coli	APPLICATIONS SDS-Page
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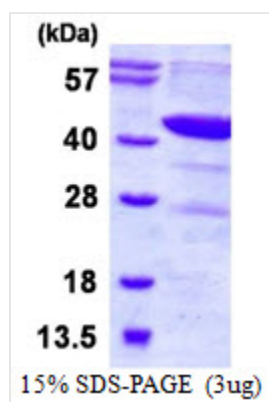
PRODUCT SYNONYMS

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 DMLEVRVLGH KFRNPVGIAA GFDKHGEAVD GLYKMGFGFV EIGSVTPKPQ EGNPRPRVFR LPEDQAVINR YGFNSHGLSV VEHLRLARQQ KQAKLTEDGL PLGVNLGKNK TSVDAEDYA EGVRVLGPLA DYLVVNVSSP NTAGLRSLQG KAE LRRLTK VLQERDGLRR VHRPAVLVKI APDLTSQDKE DIASVVKELG IDGLIVTNTT VSRPAGLQGA LRSETGGLSG KPLRDLSTQT IREMYALTQG RVPIIGVGGV SSGQDALEKI RAGASLVQLY TALTFWGPVP 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). For long term storage, aliquot and store at -20 degree C or -70 degree C. 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://stage.aaabiotech.com/dhodh-recombinant-protein-e-coli-sds-page/48789>