9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-2269: DHODH Recombinant Protein

**Alternative Name :** Dihydroorotate dehydrogenase (quinone),Dihydroorotate oxidase,human complement of yeast URA1,DHOdehase,POADS,EC 1.3.5.2,EC 1.3.3.1.

## Description

Source : E.coli. DHODH Human Recombinant produced in E. coli is a single polypeptide chain containing 390 amino acids (31-395) and having a molecular mass of 42.3 kDa.DHODH is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dihydroorotate dehydrogenase quinone (DHODH) is a member of the dihydroorotate dehydrogenase family. DHODH is a mitochondrial protein found on the outer surface of the inner mitochondrial membrane. DHODH catalyzes the 4th enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate (with quinone as electron acceptor), in de novo pyrimidine biosynthesis. DHODH gene defects cause the postaxial acrofacial dysostosis (POADS), also known as Miller syndrome.

## Product Info

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| **Amount :** | 5 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | The DHODH solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | GSSHHHHHH SSGLVPRGSH MGSHMTGDER FYAEHLMPTL QGLLDPESAH RLAVRFTSLG LLPRARFQDS DMLEVRVLGH KFRNPVGIAA GFDKHGEAVD GLYKMGFGFV EIGSVTPKPQ EGNPRPRVFR LPEDQAVINR YGFNSHGLSV VEHRLRARQQ KQAKLTEDGL PLGVNLGKNK TSVDAAEDYA EGVRVLGPLA DYLVVNVSSP NTAGLRSLQG KAELRRLLTK VLQERDGLRR VHRPAVLVKI APDLTSQDKE DIASVVKELG IDGLIVTNTT VSRPAGLQGA LRSETGGLSG KPLRDLSTQT IREMYALTQG RVPIIGVGGV SSGQDALEKI RAGASLVQLY TALTFWGPPV VGKVKRELEA LLKEQGFGGV TDAIGADHRR. |

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