

Dihydroorotate Dehydrogenase Human Recombinant

Item Number	rAP-1030
Synonyms	Dihydroorotate dehydrogenase (quinone), Dihydroorotate oxidase, human complement of yeast URA1, DHOdehase, POADS, EC 1.3.5.2, EC 1.3.3.1.
Description	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.
Uniprot Accession Number	Q02127
Amino Acid Sequence	GSSHHHHHH SGLVPRGSH MGSMTGDER FYAEHLMPTL QGLLDPEAH RLA VRFTSLG LLPRARFQDS DMLEVRVLGH KFRNPVGIAA GFDKHGEAVD GLYKMGFGFV EIGSVTPKPQ EGNPRPRVFR LPEDQAVINR YGFNSHGLSV VEHLRRLRQQ KQAKLTEDGL PLGVNLGKNK TSVDAEDYA EGVRVLGPLA DYLVNVSSP NTAGLRSLQG KAE LRRLTK VLQERDGLRR VHRPAVLVKI APDLTSQDKE DIASVVKELG IDGLIVTNTT VSRPAGLQGA LRSETGGLSG KPLRDLSTQT IREMYALTQG RVPIIGVGGV SSGQDALEKI RAGASLVQLY TALTFWGPPV VGKVKRELEA LLKEQGFVV TDAIGADHRR.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The DHODH solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**