

DHODH, 31-395aa, Human, His tag, E.coli

Cat.NO.: TP01874

3th Edition

Synonyms: Dihydroorotate dehydrogenase (quinone), mitochondrial, DHOdehase, POADS, URA1

Description: 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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight: 42.3 kDa (390aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMTGDERFYAEHLMPTLQGLLDPESAHRLAVRFTSLGLLPRARFQDSDMLE
VRVLGHKFRNPVGIAAGFDKHGEAVDGLYKMGFGFVEIGSVTPKPKQEGNPRPRVFRLPEDQAVINRYGFNSHGLS
VVEHRLRARQQKQAKLTEDGLPLGVNLGKNKTSVDAAEDYAEGVRVLGPLADYLVVNVSSPNTAGLRSLQGKAE
RRLTKVLQERDGLRRVHRPAVLVKIAPDLTSQDKEDIASVVKELGIDGLIVTNTTVSRPAGLQGALRSETGGLSGKP
LRDLSTQTIREMYALTQGRVPIIGVGGVSSGQDALEKIRAGASLVQLYALTFWGPPVVGKVKRELEALLKEQGFGG
VTDAIGADHRR

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.