

DHODH Protein, Mouse, Recombinant (His)

General Information

Synonyms:	DHodehase;mitochondrial;Dhodh;Dihydroorotate dehydrogenase (quinone), mitochondrial; Dihydroorotate oxidase
Protein Construction:	11-395 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	O35435
Molecular Weight:	44.2 kDa (predicted)
AA Sequence:	<p>LDAAIILGGGGLLFTSYLTATGDDHFYAEYLMPALQRLDPESAHLAVRVISLGLLPRAFQDSNMLEVRVLG HKFRNPVGIAAGFDKHGEAVDGLYKLGFGFVEVGSVTPQPQEGNPRPRVFRLPEDQAVINRYGFNSHGLSAV EHRLRARQQKQTQLTTDGLPLGINLGKNKTSVDAAADYVEGVRILGPLADYLVVNVSSPNTAGLRSLQGKTEL RRLLSKVLQERDALKGPQKPAVLVKIAPDLTAQDKEDIASVARELGIDGLIITNTTVSRPVGLQGALRSETGGLS GKPLRDLSTQTIREMYALTQGTIPIIGVGGVSSGQDALEKIQAGASLVQLYTALTFLGPPVVARVKRELEALLKE RGFNTVTDAIGVDHRR</p>

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Stability & Storage:	<p>Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.</p>
Shipping:	<p>In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.</p>

Protein Background

Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor.

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