Recombinant Rat DHODH Protein

Cat. No. DHODH-10R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DHODH Protein was expressed in E. coli.
Species	Rat
Source	E.coli
Description	Enables FMN binding activity; dihydroorotate dehydrogenase activity; and ubiquinone binding activity. Involved in several processes, including 'de novo' pyrimidine nucleobase biosynthetic process; lactation; and response to L-arginine. Located in mitochondrial inner membrane and neuronal cell body. Human ortholog(s) of this gene implicated in postaxial acrofacial dysostosis. Orthologous to human DHODH (dihydroorotate dehydrogenase (quinone)).
Form	Liquid. In 20 mM Tris-HCl, 150 mM NaCl, pH 8.0.
Molecular Mass	~40 kDa
AA Sequence	TGDDHFYAEYLMPGLQRLLDPESAHRLAVRVTSLGLLPRATFQDSDMLEVKVLGHK FRNPVGIAAGFDKNGEAVDGLYKLGFGFVEVGSVTPQPQEGNPRPRVFRLPEDQA VINRYGFNSHGLSVVEHRLRARQQKQAQLTADGLPLGINLGKNKTSEDAAADYAEG VRTLGPLADYLVVNVSSPNTAGLRSLQGKTELRHLLSKVLQERDALKGTRKPAVLVK IAPDLTAQDKEDIASVARELGIDGLIVTNTTVSRPVGLQGALRSETGGLSGKPLRDLS TQTIREMYALTQGRIPIIGVGGVSSGQDALEKIQAGASLVQLYTALIFLGPPVVVRVKR ELEALLKERGFTTVTDAIGADHRR

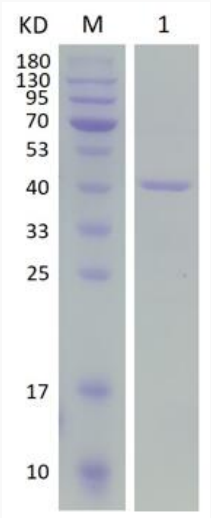
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>90%
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.1 mg/ml
Official Full Name	Dihydroorotate dehydrogenase

GENE INFORMATION

Gene Name	Dhodh dihydroorotate dehydrogenase (quinone) [Rattus norvegicus (Norway rat)]
Official Symbol	DHODH
Synonyms	AI834883; 2810417D19Rik
Gene ID	65156
mRNA Refseq	NM_001008553
Protein Refseq	NP_001008553
UniProt ID	Q63707

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SDS-PAGE	 12% SDS-PAGE analysis profiles of purified Rat DHODH (CBB stained)

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