

Recombinant Rat DHODH Protein

Cat. No. DHODH-1859R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DHODH Protein was expressed in Insect cell.
Species	Rat
Source	Insect Cells
ProteinLength	31-395 aa
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	0.2 µm sterile filtered 10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 20% glycerol.
Molecular Mass	41.9 kDa
AA Sequence	TGDDHFYAEYLMPLQRLDPESAHLAVRVTSLGLLPRATFQSDMLEVKVLGHK FRNPVGIAAGFDKNGEAVDGLYKLGFGFVEVGSVTPQPQEGNPRPRVFRLPEDQA VINRYGFNSHGLSVVEHRLRARQKQAQLTADGLPLGINLGKNKTSEDAADYAEG VRTLGPLADYLVVNVSSPNTAGLRSLQGKTEL RHLLSKVLQERDALKGTRKPAVLVK IAPDLTAQDKEDIASVARELGIDGLIVTNTTVSRPVGLQGALRSETGGLSGKPLRDL TQTIREMYALTQGRIP IIGVGGVSSGQDALEKI QAGASLVQLY TALIFLGPPVVVRVKR

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ELEALLKERGFTTVTDAIGADHRR

Endotoxin <1.0 EU per 1µg of the protein by the LAL method.

Purity ≥85%, by SDS-PAGE

Storage Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name Dhodh dihydroorotate dehydrogenase (quinone) [Rattus norvegicus (Norway rat)]

Official Symbol DHODH

Synonyms URA1; POADS; DHodehase

Gene ID 65156

mRNA Refseq NM_001008553.2

Protein Refseq NP_001008553.1

UniProt ID Q63707

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