

Recombinant Human DHODH Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHODH-6058H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHODH MS Standard C13 and N15-labeled recombinant protein (NP_001352) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene catalyzes the fourth enzymatic step, the ubiquinone-mediated oxidation of dihydroorotate to orotate, in de novo pyrimidine biosynthesis. This protein is a mitochondrial protein located on the outer surface of the inner mitochondrial membrane.
Molecular Mass	42.9 kDa
AA Sequence	MAWRHLKKRAQDAVIILGGGGLLFASYLMATGDERFYAEHLMPTLQGLLDPESAHR LAVRFTSLGLLPRARFQDSMDLEVRVLGHKFRNPVGIAAGFDKHGEAVDGLYKMGF GFVEIGSVTPKPKQEGNPRPRVFRLPEDQAVINRYGFNSHGLSVVEHRLRARQQKQA KLTEDGLPLGVNLGKNKTSVDAAEDYAEGVRVLGPLADYLVNVSSPNTAGLRSLQ GKAELRRLLTQVLQERDGLRRVHRPAVLVKIAPDLTSQDKEDIASVVKELGIDGLIVTN TTVSRPAGLQGALRSETGGLSGKPLRDLSTQTIREMYALTQGRVPIIGVGGVSSGQD ALEKIRAGASLVQLYTALTFWGPPVVGKVKRELEALLKEQGGGVTDAGADHRRTR TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

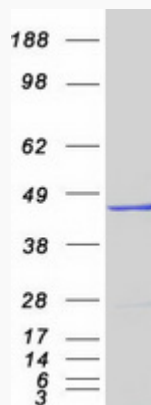
GENE INFORMATION

Gene Name	DHODH dihydroorotate dehydrogenase (quinone) [Homo sapiens (human)]
Official Symbol	DHODH
Synonyms	DHODH; dihydroorotate dehydrogenase (quinone); dihydroorotate dehydrogenase; dihydroorotate dehydrogenase (quinone), mitochondrial; dihydroorotate oxidase; human complement of yeast URA1; URA1; POADS; DHodehase;
Gene ID	1723
mRNA Refseq	NM_001361
Protein Refseq	NP_001352
MIM	126064
UniProt ID	Q02127

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SDS-PAGE

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