Recombinant Human DHODH, His-tagged

Cat. No. DHODH-11969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DHODH protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-395a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	DHODH dihydroorotate dehydrogenase (quinone) [Homo sapiens]
Official Symbol	DHODH

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

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
Chromosome Location	16q22
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pyrimidine biosynthesis, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;
Function	dihydroorotate dehydrogenase activity; dihydroorotate dehydrogenase activity; dihydroorotate oxidase activity; oxidoreductase activity;

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