

Probable D-2-hydroxyglutarate dehydrogenase, mitochondrial (D2HGDH), Recombinant Protein

Cat RP13478

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Probable D-2-hydroxyglutarate dehydrogenase, mitochondrial (D2HGDH)

Product Gene Name

D2HGDH recombinant protein

Product Synonym Gene Name

D2HGDH

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

SSAAAHVQRN PAYSVLNSDD VSYFKSILGD SGVVQDEDRV SVANMDWMGK YKGSSQLLLL PKSTAEVSKI
LSYCNSRRLA VVPQGGNTGL VGGSPVYDE VIISLGGMDK IITFDNVNGI LTCEAGCVLE NLSSYVENKG
FIMPLDLGAK GSCHIGGNIS TNAGGLRFIR YGSLHGSLVG LEVVLADGTV LDMLTTLRKD NTGYDLKHLF
IGSEGLGIV TKIAILTPAK LPSTNVAFLS CNDYISCQKL LLAARRSLGE ILSAFEFMDR HCINLAMKYL
EGVHNPLPVS PFNFYVLIET TGSDSYDKA KLEAFLLRSM EDGLVADGVI AQDISQASNF WRIREGISEA
SVKVGAVYKY DLSIPVEKLY DIVEEMRSRV GDMGQVLGYG HLGDNLHLN ILSTKYSDKM LAQIEPFVYE
WTSKQRGSIS AEHGLGLMKA EKIHYKSSE AVQLMASIKK LLDPNILNP YKVLPPQSVL

Sequence Positions

81-559, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

61,097 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Probable D-2-hydroxyglutarate dehydrogenase

NCBI Accession

XP_015646834.1

NCBI GI

1002285069

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GenBank Nucleotide # XM_015791348.1

NCBI GeneID

4342598

NCBI Official Full Name

probable D-2-hydroxyglutarate dehydrogenase, mitochondrial

NCBI Official Symbol

LOC4342598

NCBI Official Synonym Symbols

D2HGDH; OsJ_23376

NCBI Protein Information

probable D-2-hydroxyglutarate dehydrogenase, mitochondrial

UniProt Gene Name

D2HGDH

UniProt Protein Name

Probable D-2-hydroxyglutarate dehydrogenase, mitochondrial

UniProt Primary Accession

Q7XI14

UniProt Secondary Accession

B9FVX0

UniProt Related Accession

Q7XI14

UniProt Comments

Catalyzes the oxidation of D-2-hydroxyglutarate to alpha-ketoglutarate.

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