

Putative isocitrate dehydrogenase [NAD] subunit-like 4 (IDH4), Recombinant Protein

Cat *RP01793*

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*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Arabidopsis thaliana* (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Putative isocitrate dehydrogenase [NAD] subunit-like 4 (IDH4)

Product Gene Name

IDH4 recombinant protein

Product Synonym Gene Name

IDH4

Purity

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

Sequence

MPRPVTVIDS NVTNAVHQVM DAMQAPVYFE TYIIKGKNMN HLTWEVVD SI RKNKVCLNGR VNNSLCGGAR
KELDLFASLV DCFNLNGQPS RHENVDIVVI RENTEGEYAG REHEVVP GVI ESFQVTMTKF WSDRIAKYAF
EYAHFSKRKK VTAVHNNNGKY EKLADAFFLE SCQEVAKMYP NITYNEIASR ETRAIRRH SN SKSLWAIAN
IASGVAGGSF GDDYAIFEQV GSVG NHKNPV ALLFSSVMML RHLLPLFAD RLKTAVTRVI SEGKCGNSNT
TTQEVVDSVI ANLD

Sequence Positions

1-294, 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

24,415 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

Putative isocitrate dehydrogenase

NCBI Accession

NP_174526.2

NCBI GI

145336342

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
NCBI GeneID
NM_102983.2
840142

NCBI Official Full Name

isocitrate dehydrogenase IV

NCBI Official Symbol

IDH-IV

NCBI Official Synonym Symbols

F5D14.26; F5D14_26; isocitrate dehydrogenase IV

NCBI Protein Information

isocitrate dehydrogenase IV

NCBI Summary

Predicted to encode a protein related isocitrate dehydrogenases, but it appears to be missing the sequences encoding the N-terminal portion of the protein.

UniProt Gene Name

IDH4

UniProt Protein Name

Putative isocitrate dehydrogenase [NAD] subunit-like 4

UniProt Synonym Protein Names

IDH-IV; Isocitric dehydrogenase-like protein 4; NAD(+)-specific ICDH 4

UniProt Primary Accession

Q9LQK9

UniProt Secondary Accession

Q1PFP9

UniProt Comments

Performs an essential role in the oxidative function of the citric acid cycle.

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