

Isocitrate dehydrogenase [NADP] (ICDH-1), Recombinant Protein

Cat RP15780

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 Solanum tuberosum (Potato)

Full Product Name

Recombinant Solanum tuberosum Isocitrate dehydrogenase [NADP] (ICDH-1)

Product Gene Name

ICDH-1 recombinant protein

Purity

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

Sequence

MAFQKITVQN PIVEMDGDEM TRVIWKSIDK KLILPFLELD IKYFSLGLPH RDATDDKVTV ESAEATQKYN
VAIKCATITP DEARVKEFNL KSMWRSPNGT IRNILNGTVF REPIMCKNIP RLVPGWTKPI CIGRHAFGDQ
YRATDTVIKG AGKLKLVFVP EGSDEKTEFE VYNFTGAGGV ALSMYNTDES VRSFAEASMN MAFQKKWPLY
LSTKNTILKK YDGRFKDIFQ EVYEANWWSK YEEAGIWYEH RLIDDMVAYA LKSEGQYVWA CKNYDGDVQS
DFLAQGFGLS GLMTSVLVCP DGKTIEAEEA HGTVTRHYRV HQKGGSTN SIASIFAWTR GLAHRATLDN
NERLLDFTEK LEAACIGAVE SGKMTKDLAL IIIHGSKLSR EHYLNTEEFI DAVADELKAR LLKAKA

Sequence Positions

1-416, 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

46,792 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.

NCBI Accession

P50217.1

NCBI GI

1708400

NCBI GenID

102591365

NCBI Official Full Name

Isocitrate dehydrogenase

NCBI Official Symbol

LOC102591365

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP15780*

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*

NCBI Official Synonym Symbols
mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
IDH; IDP; icdh-1

NCBI Protein Information

isocitrate dehydrogenase [NADP]

UniProt Gene Name

ICDH-1

UniProt Synonym Gene Names

IDH

UniProt Protein Name

Isocitrate dehydrogenase [NADP]

UniProt Synonym Protein Names

IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase

UniProt Primary Accession

P50217

UniProt Related Accession

P50217

UniProt Comments

May supply 2-oxoglutarate for amino acid biosynthesis and ammonia assimilation via the glutamine synthetase/glutamate synthase (GS/GOGAT) pathway.

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