

Isocitrate Dehydrogenase Active Protein | IDH1 active protein

Isocitrate Dehydrogenase (ICDH), Porcine Heart - NADP

CATALOG #
AAA44806

HOST
Porcine Heart

PRODUCT SYNONYMS

Isocitrate Dehydrogenase; Isocitrate Dehydrogenase (ICDH); Porcine Heart - NADP; NADP(+)-ICDH; IDH1 active protein

PRODUCT SPECIFICATIONS

Host	Porcine Heart
Form/Format	Suspension in 3.3 M ammonium sulfate, 50 mM MES and 1 mM manganese sulfate, pH 6.4
E.C. Number	1.1.1.42
CAS Number	9028-48-2
Appearance	Brown suspension
Activity	27 U/mL (Kinetic, spectrophotometric)
Unit Definition	One unit will catalyze the oxidation of one micromole of isocitrate and the reduction of one micromole of NADP per minute at pH 7.4 and 37°C
Protein	21 mg protein/mL (Coomassie)
Specific Activity	1.3 U/mg protein (Coomassie)
Handling	Mix thoroughly before sampling. Dilute with 100 mM triethanolamine chloride, 50 mM sodium chloride, 1 % BSA, pH 8.0 or another suitable buffer. Handle as a potentially hazardous substance.
Preparation and Storage	Store at 2-8°C. Do not freeze! / Shipping: Blue Ice

ADDITIONAL INFORMATION

Product Categories/Family for IDH1 active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Isocitrate Dehydrogenase (idh; Nadp<sup>+</sup> +&lt; /sup>)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32471503
NCBI GeneID	1793580
NCBI Accession #	NP_864496.1
NCBI GenBank Nucleotide #	NC_005027.1
NCBI Official Full Name	isocitrate dehydrogenase
NCBI Official Symbol	icd
NCBI Protein Information	isocitrate dehydrogenase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

