

General Isocitrate Lyase Assay Kit | ICL assay kit

Isocitrate Lyase Microplate Assay Kit

CATALOG # AAA27832	REACTIVITY General	APPLICATIONS Functional Assay
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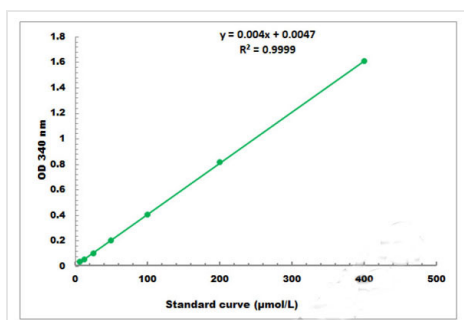
PRODUCT SYNONYMS

Isocitrate Lyase; Isocitrate Lyase Microplate Assay Kit; EC 4.1.3.1; Isocitrate lyase; ICL; Isocitrase; Isocitratase; Isocitrate glyoxylate-lyase; Isocitritase; ICL assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	576
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	4 umol/L - 400 umol/L
Applicable Applications for ICL assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ICL assay kit	Background: Isocitrate lyase (EC 4.1.3.1), or ICL, is an enzyme in the glyoxylate cycle that catalyzes the cleavage of isocitrate to succinate and glyoxylate. Together with malate synthase, it bypasses the two decarboxylation steps of the tricarboxylic acid cycle (TCA cycle) and is used by bacteria, fungi, and plants. The assay is initiated with the enzymatic decomposition of the Isocitric acid by Isocitrate lyase. The enzyme catalysed reaction product NADH can be measured at a colorimetric readout at 340 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30686361
NCBI GeneID	821726
NCBI Accession #	NP_188809.2
NCBI GenBank Nucleotide #	NM_113067.3

Molecular Weight	64,245 Da
NCBI Official Full Name	isocitrate lyase
NCBI Official Symbol	ICL
NCBI Official Synonym Symbols	isocitrate lyase
NCBI Protein Information	isocitrate lyase
UniProt Protein Name	Isocitrate lyase
UniProt Gene Name	ICL
UniProt Synonym Gene Names	ICL
UniProt Entry Name	ACEA_ARATH

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.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/isocitrate-lyase/27832>