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Datasheet for ABIN1945457
MDH2 Protein (AA 25-338) (His tag)

Overview

Quantity:	50 µg
Target:	MDH2
Protein Characteristics:	AA 25-338
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MDH2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Malate Dehydrogenase, Mitochondrial/MDH2 (C-6His)
Sequence:	AKVAVLGASG GIGQPLSLLL KNSPLVSRLT LYDIAHTPGV AADLSHIETK AAVKGYLGPE QLPDCLKGCD VVIPAGVPR KPGMTRDDLF NTNATIVATL TAACAQHCPE AMICVIANPV NSTIPITAEV FKKHGVYNPN KIFGVTTLDI VRANTFVAEL KGLDPARVNV PVIGGHAGKT IIP LISQCTP KVDFPQDQLT ALTGRIQEAG TEVVKAKAGA GSATLSMAYA GARFVFSLVD AMNGKEGVVE CSFVKSQETE CTYFSTPLLL GKKGIEKNLG IGVSSFEEK MISDAIPELK ASIKKGEDFV KTLKVDHHHH HH
Characteristics:	Recombinant Human MDH2 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 25-338) of Human MDH2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: MDH2

Alternative Name: MDH2 ([MDH2 Products](#))

Background: Malate dehydrogenase, mitochondrial is a 338 amino acids protein that belongs to the LDH/MDH superfamily. MDH type 1 family. MDH2 catalyzes the reversible oxidation of malate to oxaloacetate, utilizing the NAD/NADH cofactor system in the citric acid cycle. MDH2 is localized to the mitochondria and takes part in the malate-aspartate shuttle that functions in the metabolic coordination between cytosol and mitochondria. MDH2 is highly expressed in the adrenal system, small intestine, heart and pancreas.

Molecular Weight: 34 kDa

UniProt: [P40926](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Expiry Date: 6 months