

32-8428: Recombinant Human Malate Dehydrogenase, Mitochondrial/MDH2 (C-6His)

Gene : MDH2
Gene ID : 4191
Uniprot ID : P40926

Description

Source: Human Cells.
MW :34kD.

Recombinant Human Malate Dehydrogenase is produced by our Mammalian expression system and the target gene encoding Ala25-Lys338 is expressed with a 6His tag at the C-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : AKVAVLGASGGIGQPLSLLLKNSPLVSRLTYDIAHTPGVAADLSHIETKAAVKGYLGPEQLPDCLKGCDVVIPA
GVPRKPGMTRDDL FNTNATIVATLTAACAQHCPEAMICVIANPVNSTIPITAEVFKKHGVYNPNIKIFGVTTLDIVR
ANTFVAELKGLD PARVNVPVIGGHAGKTIIP LISQCTPKVDFPQDQLTALTGRIQEAGTEVVKAKAGAGSATLSM
AYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKNLGIGKVSSFEEKMISDAIPELKASI
KKGEDFVKTLKVDHHHHHH

Application Note

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