

**Recombinant Human Malate Dehydrogenase, Mitochondrial/MDH2 Protein(C-6His)**

**Cat.NO.: TP06107**

3th Edition

**Synonyms:**Malate dehydrogenase; mitochondrial; MDH2

**Description:**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.

**Form:**PBS

**Molecular Weight:**34.0 kDa

**Sequences:**Ala25-Lys338

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.