

## Recombinant Human MDH2 protein, His-tagged

**Cat. No.** MDH2-3733H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MDH2 protein(1-338 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-338 aa                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                                                                                   |
| <b>AA Sequence</b>      | <p> MLSALARPVSAALRRSFSTSAQNNAKVAVLGASGGIGQPLSLLKNSPLVSRLTYDI<br/> AHTPGVAADLSHIETKAAVKGYLGPEQLPDCLKGCDVVVIPAGVPRKPGMTRDDL<br/> NTNATIVATLTAACAQHCPEAMICVIANPVNSTIPITAEVFKKHGVYNPNKIFGVTTLDI<br/> VRANTFVAELKGLDPARVNVPIGGHAGKTIPLISQCTPKVDFPQDQLTALTGRIQEA<br/> GTEVVKAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYF<br/> STPLLLGKKGIEKNLGIGKVSSFEEKMISDAIPELKASIKKGEDFVKTLK </p> |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | <p>Short-term storage: Store at 2-8°C for (1-2 weeks).</p> <p>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw</p>                                                                                                                                               |

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cycles.

#### Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** MDH2 malate dehydrogenase 2, NAD (mitochondrial) [ Homo sapiens ]

**Official Symbol** MDH2

**Synonyms** MDH2; malate dehydrogenase 2, NAD (mitochondrial); malate dehydrogenase, mitochondrial; MDH; MOR1; M-MDH; MGC:3559;

**Gene ID** 4191

**mRNA Refseq** NM\_005918

**Protein Refseq** NP\_005909

**MIM** 154100

**UniProt ID** P40926

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