

Human MDH2 protein, His tag (active)

Cat. No. GTX67091-pro

Applications Functional Assay**Species** Human**Package**

50 µg

Applications

Application Note

Specific activity is > 700 units/mg, and is defined as the amount of enzyme that cleaves 1.0 µmole of oxalacetate and beta-NADH to L-malate and beta-NAD per minute at pH 8.0 at 37°C.

Properties

Form Liquid**Buffer** 20mM Tris-HCl, 10% Glycerol**Preservative** No preservatives**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.**Concentration** 1 mg/ml (Please refer to the vial label for the specific concentration.)**Region/Sequence**

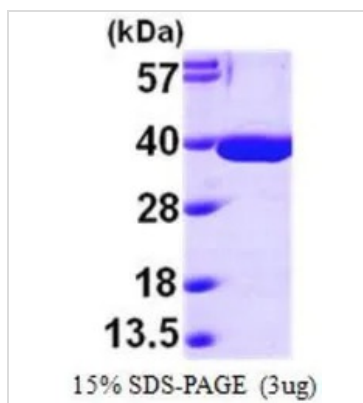
N-terminal His-Tag; Length: 335 a.a. Sequence: MGSSHHHHHH SSGLVPRGSH MAKVAVLGAS GGIGQPLSLL LKNSPLVSRL
TLYDIAHTPG VAADLSHIET KAAVKGYLGP EQLPDCLKGC DVVVIPAGVP RKPGMTRDDL FNTNATIVAT LTAACAQHCP
EAMICVIANP VNSTIPITAE VFKKHGVYNP NKIFGVTTLD IVRANTFVAE LKGLDPARVN VPIVGGHAGK TIIPISQCT PKVDFPQDQL
TALTGRIQEA GTEVVKAKAG AGSATLSMAY AGARFVFSLV DAMNGKEGVV ECSFVKSQET ECTYFSTPLL LGKKGIEKNL
GIGKVSSFEE KMISDAIPEL KASIKKGEDF VKTLK

Expression System E. coli**Purity** > 95% by SDS-PAGE.**Endotoxin** < 1.0 EU/µg (determined by LAL method)**Conjugation** Unconjugated**Note** For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

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DATA IMAGES



GTX67091-pro Image

3 µg of GTX67091-pro Human MDH2 protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



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