

Recombinant Pyruvate dehydrogenase alpha 1 (PDHA1)

Catalog No.: TP10110

100µg

Sequence Information

Species: Human

Gene ID:5160

Swiss Prot:P08559

Synonyms:PDHCE1A; PHE1A; PHE1-A;

PDHa; PDH-A; Pyruvate

Dehydrogenase(lipoamide)Alpha 1;

Pyruvate Dehydrogenase E1 Component

Subunit Alpha,Aomatic

Form,Mitochondrial; Pyruvate

Dehydrogenase Alpha

Residues:Phe30~Ser390

FANDATFEIKKCDLHRL EEGPPVTTVL TREDGLKYYRMMQTVRRMELKADQLYK
QKIIRGFCHLCDGQEACCVGLEAGINPTDHLITAYRAHGFTFTRGLSVREILAE
LTGRKGGCAKGGKSMHYAKNFYGGNGIVGAQVPLGAGIALACKYNGKDEVCL
TLYGDGAANQGQIFEAYNMAALWKLPCIFICENNRYGMGTSVERAAASTDYKR
GDFIPGLRVDGMDILCVREATRFAAAYCRSGKGPILMELQTYRYHGHSMSPGV
SYRTREEIQEVRSKSDPIMLLKDRMVNSNLASVEELKEIDVEVRKEIEDAAQFA
TADPEPPLEELGYHIYSSDPPFEVRGANQWIKFKSVS

Product Information

Source: Recombinant expression.

Host: *E.coli*

Tags: N-terminal His-Tag

Subcellular Location: Mitochondrion.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 200µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.5

Predicted Molecular Mass: 41.5kDa

Accurate Molecular Mass: 46kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

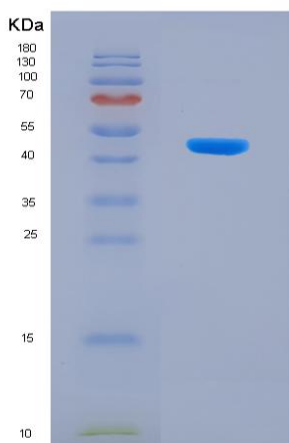


Figure 1. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.