

RPG356Hu01 100µg

Recombinant 3-Hydroxybutyrate Dehydrogenase 1 (BDH1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Met1~Arg343

Tags: N-terminal His Tag

Subcellular Location: Mitochondrion

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

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: 9.1

Predicted Molecular Mass: 41.8kDa

Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 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.

[SEQUENCE]

MLATRLSRPL SRLPGKTLA CDRENGARR LLLGTSFIP IGRRTYASAA
EPVGSKAVLV TGCDSGFGFS LAKHLHSGF LVFAGCLMKD KGHGDKELD
SLNSDRLRTV QLNVCSSSEV EKVVEIVRSS LKDPEKGMWG LVNNAGISTF
GEVEFTSLET YKQVAEVLW GTVRMTKSFL PLIRRAKGRV VNISSMLGRM
ANPARSPYCI TKFGVEAFSD CLRYEMYPLG VKVSVVEPGM FIAATSLYSP
ESIQAIKKM WEELPEVVRK DYGKKYFDEK IAKMETYCSS GSTDTSPVID
AVTHALTATT PYTRYHPMDY YWWRMQIMT HLPGAISDMI YIR

[IDENTIFICATION]

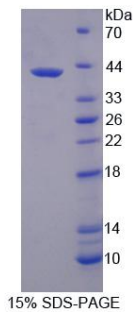


Figure. SDS-PAGE

[IMPORTANT NOTE]

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