Recombinant Isocitrate Dehydrogenase 2, mitochondrial (IDH2) Instruction Manual

SIPH191Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	50.3kDa
Accurate Molecular Mass	50kDa(Analysis of differences refer to the manual)
Residues & Tags	Ala40~Gln452 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	8.3
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

A DKRIKVAKPV
VEMDGDEMTR IIWQFIKEKL ILPHVDIQLK YFDLGLPNRD QTDDQVTIDS
ALATQKYSVA VKCATITPDE ARVEEFKLKK MWKSPNGTIR NILGGTVFRE
PIICKNIPRL VPGWTKPITI GRHAHGDQYK ATDFVADRAG TFKMVFTPKD
GSGVKEWEVY NFPAGGVGMG MYNTDESISG FAHSCFQYAI QKKWPLYMST
KNTILKAYDG RFKDIFQEIF DKHYKTDFDK NKIWYEHRLI DDMVAQVLKS
SGGFVWACKN YDGDVQSDIL AQGFGSLGLM TSVLVCPDGK TIEAEAAHGT
VTRHYREHQK GRPTSTNPIA SIFAWTRGLE HRGKLDGNQD LIRFAQMLEK
VCVETVESGA MTKDLAGCIH GLSNVKLNEH FLNTTDFLDT IKSNLDRALG
RQ

USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

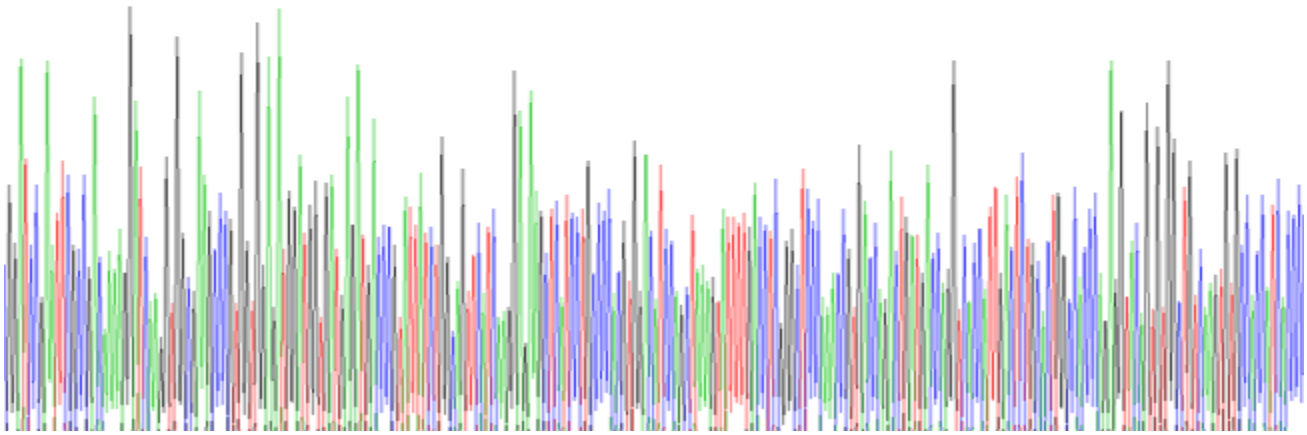
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image



SDS-PAGE Image

[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.