

RPH839Hu01 50µg
Recombinant Isocitrate Dehydrogenase 1, Soluble (IDH1)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Ala74~Ile333

Tags: N-terminal His-Tag

Accession: O75874

Host: *E. coli*

Subcellular Location: Cytoplasm. Peroxisome.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

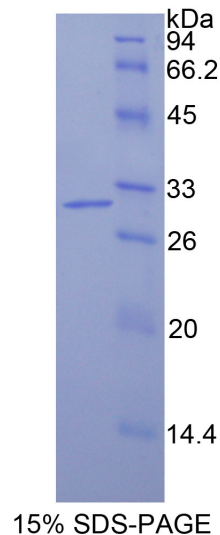
Formulation: Supplied as lyophilized form in PBS,
pH7.4, containing 0.01% sarcosyl.

Predicted isoelectric point: 7.2

Predicted Molecular Mass: 30.8kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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



[USAGE]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

ATITPDE KRVEEFKLLKQ MWKSPNGTIR NILGGTVFRE AIICKNIPRL VSGWVKPIII
GRHAYGDQYR ATDFVVPGP KVEITYTPSD GTQKVTVLVH NFEEGGGVAM GMYNQDKSIE
DFAHSSFQMA LSKGWPLYLS TKNTILKKYD GRFKDIFQEI YDKQYKSQFE AQKIWYEHRL
IDDMVAQAMK SEGGFIWACK NYDGDVQSDS VAQGYGSLGM MTSVLVCPDG
KTVEAEAAHG TVTRHYRMYQ KGQETSTNPI ASI

[REFERENCES]

1. Geisbrecht B.V., Gould S.J. (1999) J. Biol. Chem. 274:30527-30533.
2. Wiemann S., *et al.* (2001) Genome Res. 11:422-435.
3. Hillier L.W., *et al.* (2005) Nature 434:724-731.
4. Dang L., *et al.* (2009) Nature 462:739-744.