

G97839Hu01 10 μ g
cDNA Clone of Isocitrate Dehydrogenase 1, Soluble (IDH1)
Organism: Homo sapiens (Human)
Instruction manual

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

1ST Edition (Revised in March, 2013)

[cDNA CLONE PRODUCT INFORMATION]

Gene Synonym: IDH1, PICD

NCBI Reference Sequence: NM_005896.2

cDNA Size: 783bp

Residues: Ala74~Ile333 (Accession # O75874)

Vector: Cloning vector

[RELATED PRODUCTS]

Protein USCN Accession No.: P97839Hu01

Antibody USCN Accession No.: A97839Hu01

Primer USCN Accession No.: R97839Hu01

[USAGE]

Briefly centrifuge the tube for 30 seconds, then reconstitute the lyophilized plasmid in sterile water to make stock solution.

Note: *Select the targeted gene carefully. TE buffer is not recommended for inhibiting enzyme reactions*

Unique product **Superb quality** **Client favorite** **Nicest service**  **ISO9001:2008**;  **ISO13485:2003**; 

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Lyophilized plasmid can transport at room temperature and stable more than 12 months at -80°C.

[SEQUENCES]

Its sequence is listed below.

T7 Transcription Start
→

TGTAA TACGA CTCAC TATAG GCGCA ATTGG GCCCG ACGTC GCATG CTCCC GGCCG CCATG GCGGC CGCGG GAATT CGATT
EcoRI
GAATTC GCCACTATCA CTCCTGATGA GAAGAGGGTT GAGGAGTTCA AGTTGAAACA AATGTGGAAA TCACCAAATG GCACCATACG
AAATATTCTG GGTGGCACGG TCTTCAGAGA AGCCATTATC TGCAAAAATA TCCCCCGGCT TGTGAGTGGA TGGGTAAAAC CTATCATCAT
AGGTCGTCAT GCTTATGGGG ATCAATACAG AGCAACTGAT TTTGTTGTTT CTGGGCTTGG AAAAGTAGAG ATAACCTACA CACCAAGTGA
CGGAACCCAA AAGGTGACAT ACCTGGTACA TAACTTTGAA GAAGGTGGTG GTGTTGCCAT GGGGATGTAT AATCAAGATA AGTCAATTGA
AGATTTTGCA CACAGTTCCT TCCAAATGGC TCTGTCTAAG GGTGGCCTT GTATCTGAG CACCAAAAAC ACTATTCTGA AGAAATATGA
TGGGCGTTTT AAAGACATCT TTCAGGAGAT ATATGACAAG CAGTACAAGT CCCAGTTTGA AGCTCAAAAG ATCTGGTATG AGCATAGGCT
CATCGACGAC ATGGTGGCCC AAGCTATGAA ATCAGAGGGA GGCTTCATCT GGGCCTGTAA AAATATGAT GGTGACGTGC AGTCGGACTC
TGTGGCCCAA GGGTATGGCT CTCTCGGCAT GATGACCAGC GTGCTGGTTT GTCCAGATGG CAAGACAGTA GAAGCAGAGG

XhoI
←

CTGCCACGG GACTGTAACC CGTCACTACC GCATGTACCA GAAAGGACAG GAGACGTCCA CCAATCCCAT TGCTTCATT TGA CTCGAG

AATCAC TAGTG AATTC GCGGC CGCCT GCAGG TCGAC CATAT GGA GAGCT CCCAA CGCGT TGGAT GCATA GCTTG AGTAT TCTAT
AGTGT CACCT AAAT

← SP6 Transcription Start

[QUALITY CONTROL]

1. Plasmid construction has been confirmed by restriction analysis and ORF sequencing.
2. Recombinant Plasmid has been expressed in BL21(DE3). *
3. Identical with the Gene Bank Ref. ID sequence ☒ Synonymous mutation
Missense mutation

[REFERENCES]

1. Gerardo Valadez J., *et al.* (2013) Cancer Lett. 328:297-306
2. Grassian A.R., *et al.* (2012) J. Biol. Chem. 287:42180-42194
3. Boisselier B., *et al.* (2012) Neurology 79:1693-1698
4. Lasho T.L., *et al.* (2012) Blood 120:4168-4171

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