

Product datasheet for **MR218870**

Idh1 (NM_001111320) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idh1 (NM_001111320) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Idh1
Synonyms:	AI314845; AI788952; E030024J03Rik; Id-1; Idh-1; Idpc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218870 representing NM_001111320 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGAAAAATCCAAGGAGTCTGTGGTGGAGATGCAAGGAGATGAAATGACACGAATCATTGGG
AATTGATTAAGGAAAACTTATTCTCCCTATGTGGAAGTGGATCTGCATAGCTATGATTTAGGCATAGA
GAATCGTGATGCCACCAATGACCAGTCCACAAAGATGCTGCAGAGGCTATAAAGAAATACAACGTGGC
GTCAAGTGTGCTACCATACCCCGATGAGAAGAGGGTTGAAGAATTCAAGTTGAAACAAATGTGGAAT
CCCCAAATGGCACCATCCGAAACATTCTGGGTGGCACTGTCTTCAGGGAAGCTATTATCTGCAAAAATAT
CCCCCGCTAGTGACAGGCTGGGTAACCCATCATCATTGGCCGACATGCATATGGGGACCAATACAGA
GCAACTGATTTTGTGTTCTGGGCTGGAAAAGTAGAGATAACCTACACACCAAAAAGATGGAACCTCAGA
AGGTGACATACATGGTACATGACTTTGAAGAAGTGGTGGTGTGCCATGGGCATGTACAACCAGGATAA
GTCAATTGAAGACTTTGCACACAGTTCCTTCAAATGGCTCTGTCCAAGGGCTGGCCTTTGTATCTCAGC
ACCAAGAACACTATTCTGAAGAAGTATGATGGCGTTTCAAAGACATCTCCAGGAGATCTATGACAAGA
AATACAAGTCCCAGTTTGAAGCTCAGAAGATCTGCTATGAACACAGGCTCATAGATGACATGGTGGCCCA
AGCTATGAAGTCCGAGGGAGGCTTCATCTGGCCGTGAAGAATTACGATGGGGATGTGCAGTCAGACTCA
GTCGCCCAAGTTATGGCTCCCTGGCATGATGACCAGTGTGCTGATTTGTCCAGATGGTAAAGACGGTAG
AAGCAGAGGCTGCCCATGGCACTGTACACGTCACCTACCGCATGTACCAGAAAGGCAAGAGACGTCCAC
CAACCCATTGCTTCCATTTTGTCTGGTCCCAGGGTTAGCCCACAGAGCAAAGCTTGATAACAATACT
GAGCTCAGCTTCTCGCAAAGGCTTTGGAAGACGTCTGCATTGAGACCATTGAGGCTGGCTTTATGACTA
AGGACTTGGCTGCTTGCAATAAGGCTTACCCAATGTACAACGTTCTGACTACTTGAATACATTTGAGTT
TATGGACAAACTTGAGAAAACCTGAAGGCCAAATTAGCTCAGGCCAACTT

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218870 representing NM_001111320
Red=Cloning site Green=Tags(s)

MSRKIQGGSVEMQGDDEMTRIIWELIKEKLILPYVELDLHSYDLGIENRDATNDQVTKDAAEAIKKYNVG
 VKCATITPDEKRVEEFKMKQMWKSPNGTIRNILGGTVFREAIIICKNIPRLVTGWVKPIIIGRHAYGDQYR
 ATDFVVPGPVKVEITYTPKDGTKVITYMVHDFEEGGVAMGMYNQDKSIEDFAHSSFQMALSKGWPLYLS
 TKNTILKKYDGRFKDIFQEIYDKKYKSQFEAQKICYEHLRDDMVAQAMKSEGGFIWACKNYDGDVQSDS
 VAQGYGSLGMMTSVLICPDGKTVAEAAHGTVTRHYRMYQKGQETSTNPIASIFAWSRGLAHRAKLDNNT
 ELSFFAKALEDVCIETIEAGFMTKDLAACIKGLPNVQRSDYLNTFFEMDKLGENLKAKLAQAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001111320

ORF Size: 1242 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001111320.1](#), [NP_001104790.1](#)

RefSeq Size: 2292 bp

RefSeq ORF: 1245 bp

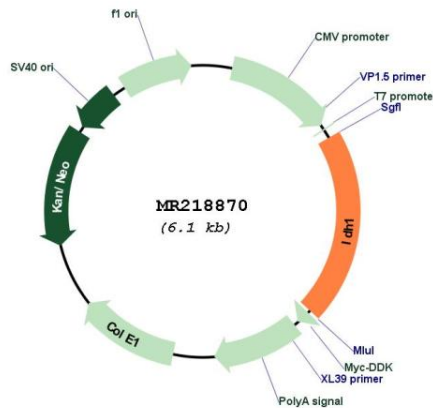
Locus ID: 15926

UniProt ID: [O88844](#)

Cytogenetics: 1 32.91 cM

MW: 47.1 kDa

Product images:



Circular map for MR218870