

Product datasheet for **MG217871**

Idh1 (NM_010497) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idh1 (NM_010497) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Idh1
Synonyms:	AI314845; AI788952; E030024J03Rik; Id-1; Idh-1; Idpc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217871 representing NM_010497 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAGAAAAATCCAAGGAGTTCTGTGGTGGAGATGCAAGGAGATGAAATGACACGAATCATTGGG
AATTGATTAAGGAAAACTTATTCTTCCCTATGTGGAAGTGGATCTGCATAGCTATGATTTAGGCATAGA
GAATCGTGATGCCACCAATGACCAGGTCACCAAAGATGCTGCAGAGGCTTTAAAGAAATACAACGTGGGC
GTCAAGTGTGCTACCATACCCCGATGAGAAGAGGGTTGAAGAATCAAGTTGAAACAAATGTGGAAT
CCCCAAATGGCACCATCCGAAACATTCTGGGTGGCACTGTCTTCAGGGAAGCTATTATCTGCAAAAATAT
CCCCCGCTAGTGACAGGCTGGGTAACCCATCATCATTGGCCGACATGCATATGGGGACCAATACAGA
GCAACTGATTTTGTGTTCTGGCCTGAAAAAGTAGAGATAACCTACACACCAAAAAGATGGAACCTCAGA
AGGTGACATACATGGTACATGACTTTGAAGAAGTGGTGGTGTGCCATGGGCATGTACAACCAGGATAA
GTCAATTGAAGACTTTGCACACAGTTCCTTCCAAATGGCTCTGTCCAAGGCTGGCCTTTGTATCTCAGC
ACCAAGAACACTATTCTGAAGAAGTATGATGGGCGTTTCAAAGACATCTCCAGGAGATCTATGACAAGA
AATACAAGTCCCAGTTTGAAGCTCAGAAGATCTGCTATGAACACAGGCTCATAGATGACATGGTGGCCCA
AGCTATGAAGTCCGAGGGAGGCTTCATCTGGCCGTGAAGAATTACGATGGGGATGTGCAGTCAGACTCA
GTCGCCAAGGTTATGGCTCCCTTGGCATGATGACCAAGTGTGCTGATTTGTCCAGATGGTAAAGACGGTAG
AAGCAGAGGCTGCCCATGGCACTGTACACGTCCTACTACCGCATGTACCAGAAAGGCAAGAGACGTCCAC
CAACCCATTGCTTCCATTTTGTCTGGTCCCGAGGGTTAGCCACAGAGCAAAGCTTGATAACAATACT
GAGCTCAGCTTCTCGCAAAGGCTTTGGAAGACGCTGCTGATTGAGACCATTGAGGCTGGCTTTATGACTA
AGGACTTGGCTGCTTGCATTAAGGCTTACCCAATGTACAACGTTCTGACTACTTGAATACATTTGAGTT
TATGGACAAACTTGAGAAAACTGAAGGCCAAATTAGCTCAGGCCAACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217871 representing NM_010497
 Red=Cloning site Green=Tags(s)

MSRKIQGGSVEMQGDGMTRIIWELIKEKLILPYVELDLHSYDLGIENRDATNDQVTKDAAEALKKYNVG
 VKCATITPDEKRVVEFKLKQMWKSPNGTIRNILGGTVFREAIICKNIPRLVTGWVKPIIIGRHAYGDQYR
 ATDFVVPGPVKVEITYTPKDGTKVVTYMHDFEEGGVAMGMYNQDKSIEDFAHSSFQMALSKGWPLYLS
 TKNTILKKYDGRFKDIFQEIYDKKYKSQFEAQKICYEHLIDDMVAQAMKSEGGFIWACKNYDGDVQSDS
 VAQGYGSLGMMTSVLICPDGKTVEAAHGTVTRHYRMYQKGQETSTNPIASIFAWSRGLAHRAKLDNNT
 ELSFFAKALEDVCIETIEAGFMTKDLAACIKGLPNVQRSDYLNTEFMDKLGENLKAKLAQAKL

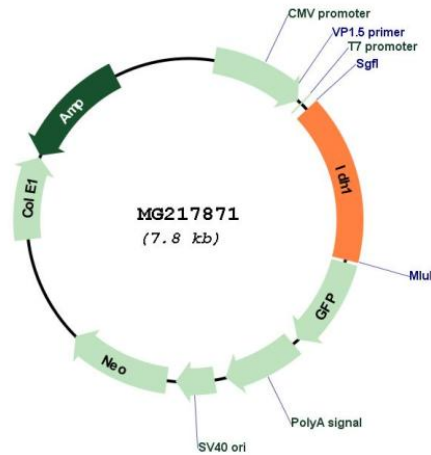
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010497

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:	<ol style="list-style-type: none">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_010497.2
RefSeq Size:	2270 bp
RefSeq ORF:	1245 bp
Locus ID:	15926
UniProt ID:	O88844
Cytogenetics:	1 32.91 cM