

Product datasheet for **RG223068**

BDH1 (NM_203315) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BDH1 (NM_203315) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BDH1
Synonyms: BDH; SDR9C1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223068 representing NM_203315
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCCACCCGCTCTCCAGACCCCTGTCACGGCTCCAGGAAAAACCCTAAGTGCCTGTGATAGAG
AAAATGGAGCAAGACGCCCACTATTGCTTGGTTCTACTTCCTTTATCCCGATTGGCCGTCGGACTTATGC
CAGTGGCGGAGCCGGTTGGCAGCAAAGCTGTCCTGGTCACAGGCTGTGACTCTGGATTGGGTTCTCA
TTGGCCAAGCATCTGCATTCAAAGGCTTCCTTGTGTTTGGCTGGCTGCTGATGAAGGACAAAGGCCATG
ATGGGGTCAAGGAGCTGGACAGCCTAACAGTGACCGATTGAGAACCGTCCAGCTCAATGTCTGCAGCAG
CGAAGAGGTGGAGAAAGTGGTGGAGATTGTCCGCTCGAGCCTGAAGGACCCTGAGAAAGGCATGTGGGGC
CTCGTTAACAATGCCGGCATCTCAACGTTCCGGGAGGTGGAGTTCACCAGCCTGGAGACCTACAAGCAGG
TGGCAGAAGTGAACCTTTGGGGCACAGTGGGATGACGAAATCCTTTCTCCCCCTCATCCGAAGGGCCAA
AGGCCGCGTCAATATCAGCAGCATGCTGGGCCGATGGCCAACCCGGCCCGCTCCCCGACTGCATC
ACCAAGTTCGGGGTAGAGGCTTCTCGGACTGCCTGCGCATGAGATGTACCCCTGGGCGTGAAGGTCA
GCGTGGTGGAGCCCGCAACTTCATCGCTGCCACCAGCCTTTACAGCCCTGAGAGCATTACGGCCATCGC
CAAGAAGATGTGGAGGAGCTGCCTGAGGTCGTGCGCAAGGACTACGGCAAGAAGTACTTTGATGAAAAG
ATCGCCAAGATGGAGACCTACTGCAGCAGTGGCTCCACAGACAGTCCCCTGTCATCGATGCTGTACAC
ACGCCCTGACCGCCACCACCCCTACACCCGCTACCACCCATGGACTACTGTTGGCTGCGAATGCA
GATCATGACCCACTTGCCTGGAGCCATCTCCGACATGATCTACATCCGC

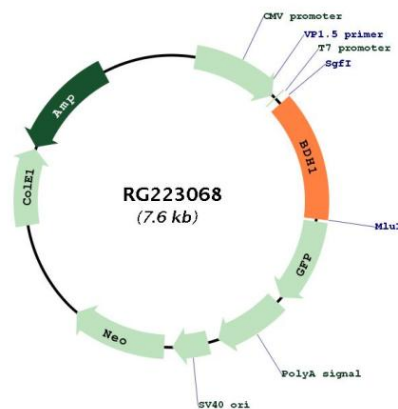
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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_203315.2 , NP_976060.1
RefSeq Size:	3330 bp
RefSeq ORF:	1032 bp
Locus ID:	622
UniProt ID:	Q02338
Cytogenetics:	3q29
Protein Families:	Druggable Genome
Protein Pathways:	Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies
Gene Summary:	This gene encodes a member of the short-chain dehydrogenase/reductase gene family. The encoded protein forms a homotetrameric lipid-requiring enzyme of the mitochondrial membrane and has a specific requirement for phosphatidylcholine for optimal enzymatic activity. The encoded protein catalyzes the interconversion of acetoacetate and (R)-3-hydroxybutyrate, the two major ketone bodies produced during fatty acid catabolism. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG223068