

Product datasheet for **RC219591L4V**

BDH1 (NM_004051) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BDH1 (NM_004051) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BDH1
Synonyms:	BDH; SDR9C1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004051
ORF Size:	1029 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC219591).
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.
RefSeq:	NM_004051.3
RefSeq Size:	1621 bp
RefSeq ORF:	1032 bp
Locus ID:	622
UniProt ID:	Q02338
Cytogenetics:	3q29
Domains:	adh_short
Protein Families:	Druggable Genome



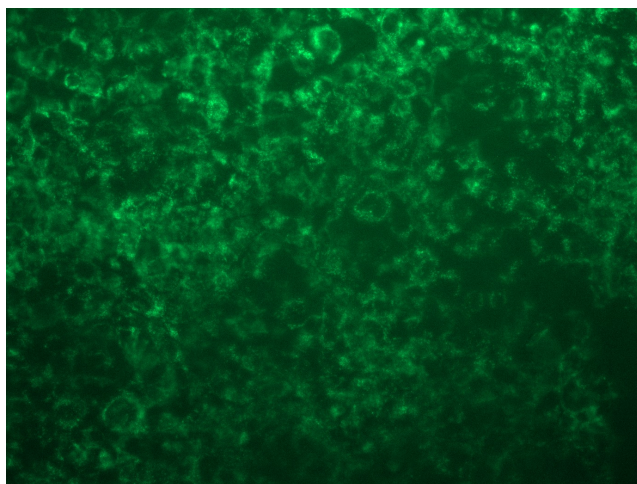
[View online »](#)

Protein Pathways: Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies

MW: 38.19 kDa

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:



[RC219591L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC219591L4V particle to overexpress human BDH1-mGFP fusion protein.