

Product datasheet for RC219502L3V

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Diazepam Binding Inhibitor (DBI) (NM_001079863) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Diazepam Binding Inhibitor (DBI) (NM_001079863) Human Tagged ORF Clone Lentiviral

Particle

Symbol: Diazepam Binding Inhibitor
Synonyms: ACBD1; ACBP; CCK-RP; EP

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_001079863

ORF Size: 264 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC219502).

OTI Disclaimer:

Sequence:

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: <u>NM 001079863.1</u>

 RefSeq Size:
 740 bp

 RefSeq ORF:
 267 bp

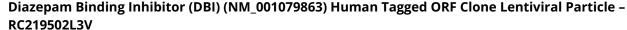
 Locus ID:
 1622

 UniProt ID:
 P07108

 Cytogenetics:
 2q14.2

Protein Families: Druggable Genome







Protein Pathways: PPAR signaling pathway

MW: 10 kDa

Gene Summary: This gene encodes diazepam binding inhibitor, a protein that is regulated by hormones and is

involved in lipid metabolism and the displacement of beta-carbolines and benzodiazepines, which modulate signal transduction at type A gamma-aminobutyric acid receptors located in brain synapses. The protein is conserved from yeast to mammals, with the most highly conserved domain consisting of seven contiguous residues that constitute the hydrophobic binding site for medium- and long-chain acyl-Coenzyme A esters. Diazepam binding inhibitor

is also known to mediate the feedback regulation of pancreatic secretion and the

postprandial release of cholecystokinin, in addition to its role as a mediator in corticotropindependent adrenal steroidogenesis. Three pseudogenes located on chromosomes 6, 8 and 16 have been identified. Multiple transcript variants encoding different isoforms have been

described for this gene. [provided by RefSeq, Jul 2008]