

Product datasheet for **SC202716**

Diazepam Binding Inhibitor (DBI) (NM_020548) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Diazepam Binding Inhibitor (DBI) (NM_020548) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DBI
Synonyms:	ACBD1; ACBP; CCK-RP; EP
ACCN:	NM_020548
Insert Size:	255 bp
Insert Sequence:	>SC202716 3'UTR clone of NM_020548 The sequence shown below is from the reference sequence of NM_020548. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAAGAGCTAAAGAAAAATACGGGATATGAGAGACTGGATTTGGTACTGTGCCATGTGTTTATCCTAA ACTGAGACAATGCCTTGTCTTCTAATACCGTGGATGGTGGGAATTCGGGAAAATAACCAGTTAAAC CAGCTACTCAAGGCTGCTCACCATACGGCTCTAACAGATTAGGGGCTAAAACGATTACTGACTTTTCCTT GAGTAGTTTTATCTGAAATCAATTAAGTGTATTTGTTACTTTAAA ACGCGT AAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_020548.9



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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 corticotropin-dependent 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]

Locus ID:

1622

MW:

9.9