

Product datasheet for **RG235631**

Diazepam Binding Inhibitor (DBI) (NM_001282635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Diazepam Binding Inhibitor (DBI) (NM_001282635) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Diazepam Binding Inhibitor
Synonyms:	ACBD1; ACBP; CCK-RP; EP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235631 representing NM_001282635. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGGCGACCTCTGGCTCCTCCCGCCTGCCTCGCCAATCCGGGCACTGGGACAGAGGCTGAGTTT
GAGAAAGCTGCAGAGGAGGTTAGGCACCTTAAGACCAAGCCATCGGATGAGGAGATGCTGTTTCATCTAT
GGCCACTACAAACAAGCAACTGTGGCGACATAAATACAGAACGGCCCGGGATGTTGGACTTCACGGGC
AAGCCAAGTGGGATGCCTGGAATGAGCTGAAAGGGACTTCCAAGGAAGATGCCATGAAAGCTTACATC
AACAAAGTAGAAGAGCTAAAGAAAAATACGGGATA
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235631
Blue=ORF Red=Cloning site Green=Tag(s)

```
MWGDWLWLLPPASANPGTGEAEFEKAAEEVRHLKTKPSDEEMLF IYGHYQATVGDINTERPGMLDFTG
KAKWDAWNLKGTSKEDAMKAYINKVEELKKKYGI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

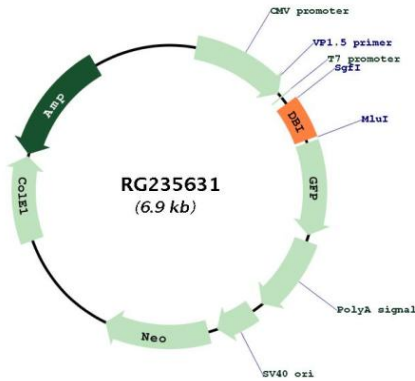


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MW: 11.8 kDa

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 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]

Product images:



Circular map for RG235631