

Product datasheet for **MC203145**

Dbi (NM_007830) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbi (NM_007830) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dbi
Synonyms:	ACBD1; Acbp; endozepine; EP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC028874 GAGCTTGCTCCC GCGCATTCCGCATCCGTATCACCTACCAGTATGTCTCAGGCTGAATTTGACAAAGCC GCTGAGGAGGTGAAGCGCCTCAAGACTCAGCCAACTGATGAAGAGATGCTGTTTCATCTACAGTCACTTCA AACAAAGCTACCGTGGGCGATGTAATACAGATCGGCCGGGCTCTTGACCTCAAGGCAAGCCAAAGTG GGACTCGTGGAACAAGCTGAAAGGGACTTCCAAGGAAAGTGCCATGAAGACCTATGTGGAAAAGGTAGAC GAGCTAAAGAAGAAATACGGAATATAAATCACCAGATTTGGTGGCCAGCCACACGTGTGACCTGTGAGGA CATAATGCCTTGGTTTTTTCTAATGTAGATGATATGGCTGTGATACATTAGGGCCAGCGTTAACCTCTGC TCCTCCTCCCTCTGTAGTTTTTACCTACAATCAATAAAAGTACATTTGTTACTCTGAAAAAAAAAAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_007830
Insert Size:	264 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

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: [BC028874](#), [AAH28874](#)

RefSeq Size: 500 bp

RefSeq ORF: 264 bp

Locus ID: 13167

UniProt ID: [P31786](#)

Cytogenetics: 1 E2.3

Gene Summary: Binds medium- and long-chain acyl-CoA esters with very high affinity and may function as an intracellular carrier of acyl-CoA esters. It is also able to displace diazepam from the benzodiazepine (BZD) recognition site located on the GABA type A receptor. It is therefore possible that this protein also acts as a neuropeptide to modulate the action of the GABA receptor.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) is shorter and has a different N-terminus, as compared to isoform 1.