

Product datasheet for **RR216655**

Dbnl (NM_001277213) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dbnl (NM_001277213) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dbnl
Synonyms: abp1; Sh3p7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216655 representing NM_001277213
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGTGAACCTGAGCCGGAACGGGCCGGCGCTGCAGGAGGCCTATGTGCGGGTGGTCACCGAGAAAT
CCCCGACCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGTGTGGCTGGCACAGGGGA
GGGAGGCTGGAGGAGCTGGTGGAGGAGCTCAACAGCGGAAGGTGATGTACGCCTCTGCAGGGTGAAG
GACCCCAACTCTGGCCTGCCAAGTTTGTCTCATCAACTGGACAGGCGAGGGTGTGAATGATGTGCGAA
AAGGAGCATGTGCCAACCACGTCAGCACCATGGCCAATTCTAAAGGGTGCCCATGTGACCATCAACGC
ACGGGCTGAGGAAGATGTGGAGCCTGAGTGCATCATGGAGAAGGTTGCCAAGGCTTCTGGGGCTAATTAC
AGCTTCCATAAGGAAAGCAGCTGCTCCAGGATGTGGGGCCTCAGGCCCCAGTGGGCTCTGTGTACCAGA
AGACCAATGCCGTGTCTGAGATCAAGAGAGTTGGCAAGGATAACTTCTGGGCCAAAGCTGAGAAGGAGGA
GGAGAACCGCCGCTGGAGGAGAAGCGGGCGGCTGAAGAGGAGAAGCAGCGGCTGGAGGAGGAGCGGGCG
GAGCGGGAGCTGCAGGAGGCTGCCGACGGGAACAACGCTACCAGGAACAGCACAGATCAGTGGACCCC
CAAGGACAGGTGAACCTGGAGCAAGAGTGGTTTCAAGGAGCAGACAGGAATGGTCTGCTGGGCAGCAGGC
CCACACCCACGGGAGATTTTCAAGCAGAAGGAAAGGGCTATGTCCACCACCTCTGTCTCCAGCTCTCAG
CCAGGCAAGCTGAGGAGCCCTTCTGCAGAAGCAGTTCACTCAACCAGAAGCTTCTATGGCCGAGAGC
CCACTTCTCTGTGTACGGCCTGCAGCAGGTGTCTGCGAGGAGCTGGCACCCAGCACTCCGCCCTCAGC
CCAGACAGACGATGAACCTACATATGAAGTGCCCTCCGAGCAGGAGACCTGTACGAGGAACCACCACCG
GTCCAGCAGCCAGGGCTGGCTCCGGACACATTGACAACTACATGCAGAGCCAGGACCTCAGTGGGCAAG
GACTGTGCGCTCGGGCTTGTACGACTACCAGGCAGCTGACGACACGGAGATCTCCTTTGACCCTGAGAA
CCTAATCACAGGCATCGAGGTGATTGACGAAGGCTGGTGGCGTGGCTATGGCCCTGACGGCCACTTTGGC
ATGTTTCTGCCAACTATGTGGAGCTCATAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR216655 representing NM_001277213
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MAVNLSRNGPALQEAYVRVVTESPTDVALFTYEGNSNDIRVAGTGEGGLEELVEELNSGKVMYAFCRVK
 DPNSGLPKFVLINWTGEGVNDVRKGACANHVSTMANFLKGAHVVINARAEEEDVEPECIMEKVAKASGANY
 SFHKESSCFQDVGPQAPVGSVYQKTNVASEIKRVGKDNFWAKAEKEENRRLEEKRRRAEEEEKQRLEEERR
 ERELQEAARREQRYQEQRHSAGPPRTGELEQEVVSRSRQEWSAGQQAPHPREIFKQKERAMSTTSVSSSQ
 PGKLRSPFLQKQFTQPEASYGREPTSPVSRPAAGVCEELAPSTPPSAQTDDPEPTYEVPSEQETLYEPPPP
 VQQPGAGSGHIDNYMQSDLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFG
 MFPANYVELIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

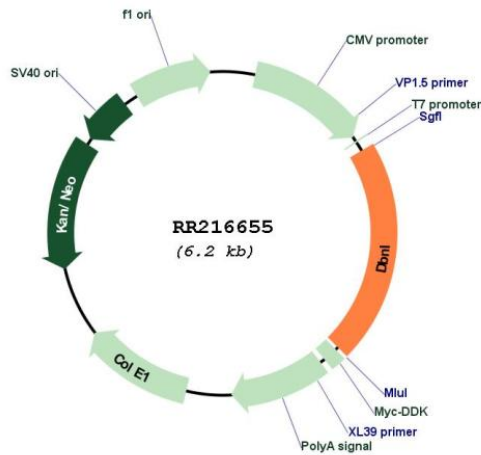
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001277213

ORF Size:	1293 bp
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.
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	NM_001277213.1 , NP_001264142.1
RefSeq Size:	2280 bp
RefSeq ORF:	1296 bp
Locus ID:	83527
UniProt ID:	Q9JHL4
Cytogenetics:	14q21
MW:	48.1 kDa
Gene Summary:	actin-binding protein involved in actin cytoskeleton organization in dendrites [RGD, Feb 2006]